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A Dictionary of

Proto-Circassian Roots

A D I C T I O N A R Y O F
P R O T O - C I R C A S S I A N R O O T S

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A C K N O W L E D G E M E N T S

This basic Proto-Circassian dictionary was written as a contribution to a continuing program in describing and analyzing the North-West Caucasian languages and in reconstructing the proto-language. The Abkhaz and Circassian (Sapsug) parts of this program have been and are being supported by the Netherlands Organization for the Advancement of Pure Research. The University of Leiden has made it possible to attract Sapsug and Abazinian consultants. To both these Institutions warm gratitude is due.

The material presented here was originally intended for internal use. The Peter de Ridder Press has kindly suggested to publish it in offset form. I welcome this opportunity to give it a wider distribution. I hope it will be of some use to colleagues elsewhere. Their suggestions and criticisms are invited.

I very warmly thank Mr. Rashid Dahabsu of River Edge, New Jersey, U.S.A. for his untiring assistance in providing Bžedux material, and also Mr. Nazim Met of Utrecht, The Netherlands for helping out with Sapsug forms.

I hope this booklet marks an advance along the road mapped out by N.F. Jakovlev in his 1927 Materialy dlja kabardinskogo slovarja. I know this remarkable linguist was mentally incapacitated and could not be visited in 1962 when I was in Moscow. Today I do not know whether to dedicate this contribution to him or to his memory. But l'homme c'est rien, l'oeuvre c'est tout, and his work is alive and will continue to be.

To N. F. Jakovlev

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I N T R O D U C T I O N

PURPOSE This dictionary of Proto-Circassian elements is meant to be a contribution towards establishing strict sound-correspondences between the North-West Caucasian languages: Circassian, Ubykh and Abkhaz. A reconstruction of the Proto-Circassian sound system was carried out by the author in 1963 (see references at the end of this introduction). The next step, taken here, is to present a large number of elements for which the Proto-Circ. form can be established. These will allow comparison with Ubykh and Abkhaz.

CIRCASSIAN Circassian falls into two distinct dialect-groups, each served by a literary language: West Circassian (adygejskij jazyk) and East Circassian (kabardinskij jazyk). For our purpose the most important W. dialects are Bžedux, Šapsug and Temirgoj, the literary dialect; of the E. dialects, the literary Kabardian is better known than the phonetically richer Beslenej.

SOURCES The sources used for this dictionary consist of Bžedux field notes collected in the 'fifties with the collaboration of Mr. Rashid Dahabsu, of the dictionaries of the literary languages which have appeared since then, and of a few dialect vocabularies. Additional information was supplied in 1975 by Mr. Dahabsu by letter and by Mr. Nazım Met (Šapsug) through the intermediary of Mr. H.J.A.J. Smeets.

LIMITATIONS The dictionary is limited to items of the types CV and CVCV, where C stands for a consonant(-cluster) and V for a or e. The units CVCV presented encompass all unanalyzable cases that were found, and a number of analyzable ones. The latter were included for a variety of reasons: they contain unique components, have unpredictable meanings, demonstrate the use of bound forms, etc. Only stems are listed, including bound forms but to the exclusion of grammatical affixes. The material is further limited in that, besides field notes, it is based on a perusal of the Circassian-Russian dictionaries, the Russian-Circassian ones being checked in individual cases only. A third limitation is imposed by the available material itself: only such items are given the reconstruction of which is uniquely determined.

RECONSTRUCTION For a reconstruction it suffices in general to have the Bžedux and the Kabardian forms; where the two are in one-to-one correspondence a single form suffices. However, the dictionaries of the literary Temirgoj dialect contain many items not represented in my Bžedux material, and in Temirgoj the voiceless aspirated (p^h, š^h, etc.) and unaspirated (p:, š:, etc.) plosives and fricatives have coincided. In the case of the plosives, the a-

vailability of a Kabardian cognate allows a reconstruction, as in Kabardian p: has coincided not with p^h but with b, t: with d, etc. Hence the Temirgoj/Kabardian correlation p/p points to *p^h (Bžedux p^h), the correlation p/b to *p: (Bžedux p:) and b/b to *b (Bžedux b). In the case of the fricatives no reconstruction is possible without the Bžedux form, cf. the Temirgoj/Kabardian correlations š'/š (Bžedux š^h' or š:') and š/š (Bžedux š^h or š:). On the other hand, in Bžedux and Temirgoj the velar plosives (k-series) have coincided with the palatalized palatal ones (č'-series), and here a Kabardian (or Šapsug) cognate is required, cf. the Bžedux-Temirgoj/Kabardian correlations ž'/g or ž, č'/k or š, etc.

PROTO-CIRCASSIAN PHONEMES For every Proto-Circassian phoneme the conditions for its reconstruction can be stated in the above way. These conditions will also follow from a statement of the original sound system and of the developments resulting in the dialects on which this study is based: Bžedux, Temirgoj and Kabardian. The Proto-Circ. system of consonants -- more precisely, of uniconsonantal segments C(a) -- is given below, the feature a being disregarded. I agree with Balkarov (1970:258) that the units written *ʔ, *ʔ° in 1963 are better ranged in the uvular series as *q, *q°. There is no Circassian evidence, however, for either voiced uvulars (pharyngals in Balkarov's terminology) or unrounded alveolopalatal affricates (ibid.).

Labials	p ^h	p:	b	p̥			
Dental Stops	t ^h	t:	d	t̥			
Dental Affricates	c ^h	c:	ʒ	c̥	s	z	
Alveolopalatals					ʃ	ʒ	ʃ̥
Id., labialized	q ^h °	q:°	ʒ°		ʃ°	ʒ°	ʃ̥°
Palatals, palatalized	č ^h '	č:'	ʒ'	č'	š ^h '	š:'	ž'
Id., plain	č ^h	č:		č	š ^h	š:	ž
Laterals					λ	l	λ̥
Velars	k ^h	k:	g	k̥	x	g̃	
Id., labialized	k ^h °	k:°	g°	k̥°	x°		
Uvulars	q ^h	q:		q̥	χ	g̃	
Id., labialized	q ^h °	q:°		q̥°	χ°	g̃°	
Pharyngal					ħ		
Others: h, y, w, m, n, r							

DEVELOPMENTS The following abbreviations are used here and in the dictionary: B(žedux), T(emirgoj), Š(apsug), K(abardian), Be(slenej). As the overwhelming majority of the reconstructions are based on B, T and K, we treat only these dialects here, with an indication of Š features only insofar as they have been made use of (in the absence of K data).

B T K *q̥, *q̥° > ʔ, ʔ° (parlers of Š preserve q̥, q̥°)

B T *x° > f (except in šx°, preserved in T, > šk:° in B)

*čh', *čh > šh', šh (merger)

*k^h, *k:, *g, *k̥ > čh', č: ', ʒ', č̥' (merger for the latter three; the shift *čh' > šh' antedates *k^h > čh')

T All voiceless-aspirated and -unaspirated conss. merge (*p^h, *p: > p, etc.)
*q^h, *q: > q; *q^h°, *q:° > q°

K Voiceless unaspirated plosives merge with voiced ones (*p:, *b > b, etc);
*q:, *q:° > q̥, q̥°

*ç^h°, *ç° > f; ʒ° (< *ç:°, *ʒ°), ʒ° > v; ʒ̥° > f̥

Aspirated fricatives merge with voiceless unaspirated ones (*š^h, *š: > š, etc.)

Plain and palatalized palatals merge (*š', *š > š, etc.)

č (< *čh', *čh) > š; ʒ (< *č: ', *č:, ʒ') > ž; š (< *šh', *š: ', *šh, *š:) > ş; *č̥ (< *č̥', *č̥) > ʃ̥

Š, like K, merges the plain and palatalized palatals and preserves the velar plosives. Some parlers of Š, including that of Mr. Met, where the other aspirated and unaspirated consonants coincide (as in T), retain the distinction of *q^h, *q^h° versus *q:, *q:° in the form š, š° versus q, q°, the aspirated members having merged with the corresponding voiceless fricatives. Both these characteristics of Š have been used in some cases where a K cognate was lacking.

LIST OF PROTO-CIRCASSIAN SEGMENTS

Complexes CV are regarded as the phonetic units of reconstruction. Where C is a cluster, the non-final members have no independent laryngeal articulation, and in reconstructed forms they are written with capitals. The majority of biconsonantal segments contain an initial P (33x), less common are T (7x), Š (5x), ʒ (5x), occasionally we find S ʒ° Š' Č L. In the list of reconstructed segments we disregard the feature a (and e is non-phonemic on the level of morphemes; in the dictionary it is written to facilitate reading). The order of the list is from front to back (labials, dentals, etc.); this same order is used throughout the dictionary. Biconsonantal cases are ordered according to their final element (*Px, *Tx after *x, etc.) except for the segments with *-q̥, *-q̥° (see comments below). With each reconstructed segment the Bžedux/Kabardian correspondence defining it is given. (List see p. 6)

The segments *Pq̥, *Pq̥° are given with *p̥ (4), the segment *Tq̥° with *t̥ (14) and *ʒq̥ with ʒ̥ (29). In all these cases there is an historical development of the type Pq̥° > Pʔ° > p̥° > p̥, one dialect often having alternative forms in individual words. The segments *Pč̥ and ʒ°č̥ are given under one heading (20) because the distinction is limited to Š and the data are conflict-

1. *p ^h	p ^h /p	31. *ç ^h °	ç ^h °/f	68. *k ^h	č ^h °/k	104. *q ^h °	q ^h °/q°
2. *p:	p:/b	32. *ç:°	ç:°/v	69. *k:	č:/g	105. *q:°	q:°/q°
3. *b	b/b	33. *z°	z°/v	70. *Pk:	pč:/bg	106. *q°	q°/q°
4. *p̥	p̥/p̥	34. *s°	s°/f	71. *g	z'/g	107. *x°	x°/x°
*Pd̥	p̥/p̥	35. *z°	z°/v	72. *k̥	č'/k̥	108. *Px°	p̥x°/p̥x°
*Pd̥°	p̥°/p̥	36. *s̥°	s̥°/f̥	73. *Pk̥	pč'/pk̥	109. *Tx°	t̥x°/t̥x°
5. *t ^h	t ^h /t	37. *č ^h °	š ^h °/š	74. *Šk̥	šk̥/šk̥	110. *Sx°	s̥x°, š̥x°/s̥x°
6. *St ^h	st ^h /st	38. *Pč ^h °	pš ^h °/pš	75. *x	x/x	111. *g°	g°/g°
7. *S't ^h	š't ^h /st	39. *č:°	č:°/ž	76. *Px	px/px	112. *Pg°	bg°/bg°
8. *St ^h	st ^h /st	40. *Pč:°	pč:°/bž	77. *Tx	tx/tx	113. *ñ	ñ/ñ
9. *t:	t:/d	41. *z°	z°/ž	78. *Š'x	š'x/šx	114. *Tñ	tñ/tñ
10. *St:	st:/s(t)	42. *Pz°	bz°/bž	79. *Šx	šk:/šx	115. *Sñ	sñ/sñ
11. *S't:	š't:/st	43. *č°	č°/s̥	80. *g̥	g̥/g̥	116. *Lñ	lñ/lñ
12. *S°t:	s°t:/ft	44. *Pč°	pč°/p̥s̥	81. *Pg̥	bg̥/bg̥	117. *h	h/h
13. *d	d/d	45. *š ^h °	š ^h °/s̥	82. *k ^h °	k ^h °/k°	118. *y	y/y
14. *t̥	t̥/t̥	46. *Pš ^h °	pš ^h °/p̥s̥	83. *k:°	k:°/g°	119. *w	w/w
*Td̥°	t̥°/t̥	47. *š:°	š:°/s̥	84. *g°	g°/g°	120. *m	m/m
15. *c ^h	c ^h /c	48. *Pš:°	pš:°/p̥s̥	85. *k̥°	k̥°/k̥°	121. *n	n/n
16. *c:	c:/z	49. *ž°	ž°/z̥	86. *Tk̥°	t̥k̥°/t̥k̥°	122. *r	r/r
17. *Pc:	pc:/bz	50. *Pž°	bž°/bz̥	87. *Šk̥°	šk̥°/šk̥°	123. *PS't ^h	pš't ^h /p̥st
18. *z	z/z	51. *č ^h	š ^h /š	88. *x°	f/x°	124. *PSt:	pst:/...
19. *č	č/č	52. *Pč ^h	pš ^h /pš	89. *Tx°	tf/tx°	125. *PSk ^h	pč ^h /psk
20. *Pč	pč/pč	53. *č:	č:/ž	90. *Čx°	šk:°/šx°	126. *PSk̥	pč̥/psk̥
*S°č	pč, s̥°/pč	54. *Pč:	pč:/bž	*Šx°	šk:°/šx°	127. *PSk̥°	.../psk̥°
21. *s	s/s	55. *č	č/s̥	91. *Lx°	lf/lx°	128. *STx̥	st̥x̥/st̥x̥
22. *Ps	ps/ps	56. *Pč	pč/p̥s̥	92. *q ^h	q ^h /q	129. *STx̥°	st̥x̥°/...
23. *z	z/z	57. *š ^h	š ^h /s̥	93. *q:	q:/q̥	130. *PSñ	.../psñ
24. *Pz	bz/bz	58. *š:	š:/s̥	94. *Pq:	pq:/p̥q̥		
25. *s̥	s̥/s̥	59. *Pš:	pš:/p̥s̥	95. *q̥	q̥/q̥		
26. *Ps̥	p̥s̥/p̥s̥	60. *ž	ž/z̥	96. *x̥	x̥/x̥		
27. *z̥	z̥/z̥	61. *Pž	bž/bz̥	97. *P̥x̥	p̥x̥/p̥x̥		
28. *Pz̥	bz̥/bz̥	62. *λ	λ/λ	98. *T̥x̥	t̥x̥/t̥x̥		
29. *s̥	s̥/s̥	63. *Pλ	pλ/pλ	99. *S̥x̥	s̥x̥/s̥x̥		
*S̥q̥	s̥/s̥	64. *l	l/l	100. *S̥x̥	s̥x̥, š̥x̥/s̥x̥		
30. *P̥s̥	p̥s̥/p̥s̥	65. *Pl	bl/bl	101. *g̥	g̥/g̥		
		66. *l̥	l̥/l̥	102. *Pg̥	bg̥/bg̥		
		67. *P̥l̥	p̥l̥/p̥l̥	103. *S̥g̥	z̥g̥, ž̥g̥/z̥g̥		

LIST
of Proto-Circ.
segments with
Bžedux-Kabardian
correspondences.

ing. The same is true of the distinction between *Čx° and *Šx° (90), noted in several dialects by Jakovlev (1930:VIII), but unclear in later sources and not made in the dialects of my informants. In both the latter cases one segment is clearly a contraction: *š°ča < *š°eča black, *čx°a < *č°ex°a rein (cf. *č°e horse, *x°a sinew, tendon). Šapsug continues *č as š in part of the cases (and *Pč always as pš). I do not think that this distinction is old. And with the meaning black Š has -pša besides -š°ta, e.g., in q:°āpša swarthy, yaťāpša chernozem (Kerasheva 1957:40), so that this distinction, too, may be recent.

CONNECTIVES Both analyzable and unanalyzable units CVCV may contain a connective element -m-, -n- or -r-, and dialects may differ as to presence and type of such an element. Where such connectives occur, they are given in the reconstructed form, e.g., *CVnCV if all dialects have -n-, *CV^r/nCV if some dialects have -r-, others -n-, *CV(n)CV if some dialects have -n- and others lack a connective. A connective -ah- (= ā) is not given in reconstructed forms as in the dialects its presence is almost totally phonetically conditioned: it is present in units CaCa, i.e. when both segments have the feature a. The connectives -m-, -n-, -r- occasionally form an open syllable by themselves; for instance, berry of the snowball tree has the form zanž°e or zarež°a in Temirgoj, zarg in Šapsug, zarega in Kabardian. This feature is disregarded in the reconstructed form *za^r/nG(a), where the a in parentheses indicates that the second element CV may have a or e.

THE FEATURE A The presence vs. absence of a may be grammatical, the forms with a being intransitive (vs. transitive), adverbial (vs. nominal), illative (vs. relative). In addition, dialects or even one dialect may show variation as to the presence of a. In both types of cases the reconstructed form is given with a in parentheses.

ORGANIZATION OF DICTIONARY Each item in the dictionary is given first in its reconstructed form and then in the W. and/or E. Circ. forms on which the reconstruction is based. The W. and E. Circ. forms are separated by a slash "/". As practically all the E. Circ. words are Kabardian, the letter K is omitted after the slash. If meanings differ in W. and E. Circ., they are also separated by a slash. If an item is not found in W. resp. E. Circ. the slash is preceded resp. followed by three dots. Where possible, for W. Circ. the B form is given. Where T or Š forms are quoted this does not mean that the item is unknown in B but only that it is not represented in my material. Š forms furnished by Mr. Met are marked ŠM.

The units CVCV are listed twice, under the headings of both C₁ and C₂, so that any heading lists all instances of the element concerned. For instance, the word š°eze woman is listed both under 34 *š° and under 23 *z. The dialect forms and any other comments are given with the alphabetic list-

ing under C_1 . The $-C_2$ listings (e.g. that of *š^oeze under *z) are accompanied by a translation and, in case the item is known from either W. or E. Circ. exclusively, by an indication of the dialect source. The absence of such an indication means that the item is common to W. and E. Circ.

Since any heading lists all instances of the segment concerned, analyzable units CVCV are listed without explicit reference to their parts, e.g., *P̄x̄aš^oa treebark is listed without reference to *P̄x̄a wood, etc. and *š^oa skin, bark. References to related units are given only in less obvious cases. Possible but uncertain connections are indicated by "cf?".

In a number of cases the dialect forms quoted include affixes. The most common of these are the indirect object prefix ya-, the causative prefix ǵa- and the verbal noun suffix -n. The petrified prefix we- (Dumézil-Namitok 1939) is treated like any other stem-segment in units *weCV, but units *weCVCV are included in the dictionary in the alphabetic place of -CVCV.

In W. Circ. forms final a and e are always written, also in cases where they are dropped word-finally. Kabardian forms are given as pronounced because they preserve final a and have the zero variant of -Ce in CVC, so that the actual forms provide the maximum of etymological information.

Sources and References

- Balkarov, B.X., Fonetika adygskix jazykov. Nal'čik 1970.
- Dumézil, G. et Namitok, A., "Racines oubykhs et tcherkesses à u-préfixé" Bulletin de la Société de linguistique de Paris XXXIX (1939), p. 67ff.
- Jakovlev, N.F., Materialy dlja kabardinskogo slovarja I. Moskva 1927.
- , "Kurze Übersicht über die tscherkessischen (adygheischen) Dialekte und Sprachen" Caucasica VI, no. 1 (Leipzig 1930), p. 1ff.
- Kardanov, B.M. (Ed.), Kabardinsko-russkij slovar'. Moskva 1957.
- i Bičoev, A.T., Russko-kabardinsko-čerkeskij slovar'. Moskva 1955.
- Keraševa, Z.I., Osobennosti šapsugskogo dialekta adygejskogo jazyka. Majkop 1957. (With a vocabulary).
- Kuipers, A.H., "Proto-Circassian Phonology: An Essay in Reconstruction" Studia Caucasica I (The Hague 1963), p. 56ff.
- Paris, C., La princesse Kahraman. Contes d'Anatolie en dialecte chapsough (tcherkesse occidental). Paris 1974. (With a vocabulary).
- Sagirov, A.K., Očerki po sravnitel'noj leksikologii adygskix jazykov. Nal'čik 1962.
- Vodoždokov, X.D. (Ed.), Russko-adygejskij slovar'. Moskva 1960.
- Xatanov, A.A. i Keraševa, Z.I., Tolkovyj slovar' adygejskogo jazyka. Majkop 1960.
- Xuranov, B.I., Russko-kabardinskij slovar'. Moskva (w.y.).

ABBREVIATIONS AND SYMBOLS

Abaz.	Abazinian	Oss.	Ossetian
Abkh.	Abkhaz	Pers.	Persian
B	Bžedux	poss.	possibly
Balk.	Balkar	prob.	probably
Be	Beslenej	Russ.	Russian
bot.	botanical term	<u>sb.</u>	<u>somebody</u>
cf?	doubtful comparison	<u>stg.</u>	<u>something</u>
dial.	dialectally	S	Sapsug
esp.	especially	SM	Sapsug of Mr. Met
geogr.	geographical term	T	Temirgoj
Geo(rg).	Georgian	tr.	transitive
(in)tr.	form with <u>a</u> is itr., form without <u>a</u> is tr.	Tu	Turkish
Germ.	German	Ub.	Ubykh
itr.	intransitive	w.	with
Kar.	Karachay	zool.	zoological term
orig.	originally		

C(a) both Ca and Cə
 / separates W. and E. Circ. forms and meanings.
 .../, /... form not found in W. resp. E. Circ.

TYPOGRAPHICAL NOTE

Note carefully the letters ʒ ɕ ʂ ɟ
 which stand for ʒ ɕ ʂ ɟ

1. p^h

- *p^ha -- B p^ha/pa nose, front, beginning, etc.
- *p^h(a) -- B zag^oa-p^ha-n/zag^oa-p to be speechless (e.g. from anger)/ to be angry (zag^oa- Germ. auseinander, Russ. raz-).
- *p^həʒə -- B p^həʒə/pəʒ hedgehog/blackthorn (K pəʒ-bāna hedgehog, see *p:ana).
- *p^hələ -- T pələ/pəl (Tu. fil; younger loan in T: feyl).
- *p^həg(a) -- B p^həʒá, ya-p^həʒ'ə/pəga, ya-pəg to butt, gore.
- *p^hərĕ(a) -- T perĕa/perĕa to snore, T čeya-perĕ snoring (noun).
- *p^həđ^oa -- B p^hā^oa/pə^oa cap, hat.
- *p^hərĕ^oa -- .../perĕ^oa passageway, porch.
- *p^həPĕ^oa -- .../pəpĕ^oa haystack.
- *p^həña -- T peñā-n/peña to cry, howl, sob.
- *p^hat^ha -- B ġa-p^hat^ha-n/... to damage, wear out (a surface).
- *p^ha(m)Pĕ(a) -- B p^hāpĕa/pā(m)pĕa sharp point, edge; sharp, K wəpāpĕ to sharpen.
- *p^hase -- Š p^hase/Be pase to be worthy of (cf? Geo. pasi)
- *p^hasa -- B p^hāsa/pāsa early, long ago.
- *p^haPʒa -- B p^hābʒa/pābʒa bush, shrub (T pābʒa thick, high grass, especially at roadside).
- *p^hač'á -- B p^hāč'á/pāš'a moustache.
- *p^haPĕč'á -- B p^hāpĕč'á/pāpš'a because
- *p^hač^h'ə -- B p^haš^h'ə/paš room.
- *p^hač^h'á -- B p^hāš^h'á/pāša leader (Pers. pādšāh king; T has, besides pāš'á, also pāša pasha from Tu paša).
- *p^haPĕč:ə -- T papčə/pabž every time/equal, equivalent.
- *p^hala -- T pāl/pāla as if / similar, same (K hada-pāla stepfather).
- *p^haPlə -- T paplə/papł red-nosed.
- *p^haká -- T pāč'á/pāka stretch, interval, zone.
- *p^hağa -- B p^hāğa/pāğa haughty.
- *p^haPĕĝe -- T pabĝe/pabĝ bridge of nose.
- *p^hak:^oa -- B p^hāk:^oa/pāg^oa blunt.
- *p^hag^oa -- B p^hāg^oa/pāg^oa carp, fish (generic); blunt-nosed / blunt.
- *p^hak^oa -- B p^hāk^oa/... saddle flap.
- *p^hax^oe -- T pafə/pax^o white-nosed.
- *p^haq:a -- B p^hāq:a/pāq'a snub-nosed.
- *p^haTĕa -- B p^hātĕa/... ragamuffin.
- *p^haPĝa -- .../pābĝa striving, eager, burning with desire.
- *p^hašña -- B p^hāšña/pāšña before, in presence of; K also place of honor away from door (cf. *Flašña).
- *p^ham(a) -- B p^hāma, ya-p^hame/pāma, ya-pam to smell (something).

- *be(n)ʒ'(a) -- T nebeʒ'ə/benža navel (order and status of segments in reconstruction uncertain; Ub. nebeʒ', Abaz. benʒ'a, Abkh. a-č'apan).
- *bele -- T ġa-bele-n/... to hide, tr.
- *bexe -- S ya-bexe-n/... to fall through (ice), vanish.
- *bek'o -- T bek'o/... little calf.
- *beq'o(a) -- T be'o/a/be'o/a crooked, misshapen, T txə-be'o/txəbe'o hunchbacked, T be'oabeš'a/be'oabeša deformed, misshapen.
- *beχ'o -- B beχ'o/beχ'o wide (as of clothes, opening).
- *beğ'o -- T beğ'o/... pedigreed bull (cf? Tu. buğa).
- *baya -- S baya/... mole (zool.).
- *bewe -- B bewe/bew to moo.
- *bene -- B bene/ben (children of) family (cf? Oss. byn inheritance).
- *bambe -- T bambe/... lever, jack.
- *webat^ha -- B webat^ha-n/... to break (e.g. a plate), tr.
- *bartā -- T tχ'o-bārtā/... fresh, fluffy butter (tχ'o butter).
- *baʒa -- B bāʒa/bāʒa fly (zool.).
- *baʒ'o -- B ġa-baʒ'o/bav year ġa with good harvest / harvest.
- *bač^h'e -- B baš^h'e/bāš stick (K ā exceptional).
- *baʒ'a -- B bāʒ'a/bāʒa fox.
- *bage -- B baʒ'e/bag spider.
- *baġe -- B baġe/baġ to swell.
- *bag'o -- B bag'o/bag'o pimple, scab, rash, B ʔaġabag'o/ʔaġabag'o mushroom.
- *baq^he -- B baq^he/baq cowshed.
- *baq:o -- T ḥasa-baq'o/(ḥasa)baq'o furrow/boundary (between plots ḥasa).
- *baq:a -- B bāq:a/bāq'a to step, stride.
- *bağ'a -- T bāğ'a/bāğ'a to be(come) rich, esp. of harvest/to multiply, itr.
- *baye -- B bāye/bay rich (cf? Tu. bey).
- *baw(a) -- T baw-a-n, B ya-bawe/bāwa, ya-baw to kiss/to breathe.
- *bama -- B bāma/bāma stench.
- *bane -- B bane/ban coffin (T grave).
- *ban(a) -- B ya-ban/bāna, ya-ban to fight.
- *bana -- B bāna/bāna to bark.

- | | | | |
|--------|---|---------------------------------------|------------------------------|
| *bebe | <u>to fly/to flutter</u> | *labe | T <u>moist</u> |
| *bambe | T <u>lever, jack</u> | *k ^h o ^r /mbe | <u>hole, hollow</u> |
| *šebe | S <u>to fill (as sack)</u> | *x ^o ambe | T <u>quiet, still</u> |
| *Pşabe | T <u>back of neck</u> | *q:abe | <u>pumpkin</u> |
| *č'ebe | <u>back, rear</u> | *Şġerbe | <u>wild grape/gooseberry</u> |
| *Pžebe | <u>cupped hand, handful</u> | *q'o ^o ebe | <u>gulp/to gulp</u> |
| *λabe | B <u>butt of rifle</u> , T also <u>heel</u> | *q'o ^o ebe | <u>to overturn</u> |
| *λambe | K <u>footprint</u> | *ğ ^o (a) ^r /mbe | T <u>burrow, hole</u> |

*Tña(m)be	<u>lungs</u>	*(P)ǰ°amba	<u>finger, toe</u>
*šaba	<u>soft (material, character)</u>	*Tǰ°e ^r /mba	<u>foam</u>
*š°aba	T <u>(to do stg.) in a hurry</u>	*haba	<u>chasuble-type garment</u>
*x°aba	<u>warm</u>	*web(a)	<u>to trample, pound, crush;</u> <u>to slander</u>
*x°aba	<u>a soup w. lumps of dough</u>	*neba	<u>belly</u>
*qaba	<u>(to stretch out the) hand,</u> K also <u>to steal</u>		

4. ǰ, Pǰ, Pǰ°

(The three possibilities are not ordered alphabetically. *Pǰ, *Pǰ° are written where there is evidence from any dialect. Probably Proto-Circ. itself had alternative forms for a number of elements).

- *Pǰ°(a) -- B ǰ°(a)/ǰ(a) to raise (children), bring up, (in)tr.
- *ǰa -- .../ǰa imprint, trace.
- *Pǰa -- B ǰa S pǰa/ǰa bed, bedding.
- *Pǰ°a -- B ǰa S pǰ°a/ǰa place.
- *Pǰ°a -- B tya-ǰ°a/tay-ǰa to cover (tya- on), T ǰ°a, ǰa cover, lid, shell,
sheath, etc.
- *ǰet(a) -- B ǰet/ǰet to crush, press, B da-ǰeta/da-ǰeta to jam, pinch (da-
in). Cf. *ǰarta.
- *ǰese -- B ǰese/ǰes futuere.
- *ǰeč°a -- B ǰeč°a/ǰeša to freeze, feel cold.
- *ǰerk°e -- T ǰerk°e/... compact (of fabrics).
- *weǰešǰ°e -- B weǰešǰ°e/weǰešǰ° to crush, crumple, rumple.
- *ǰešǰe -- .../ǰešǰe smithereens.
- *ǰeye -- B ǰeye/ǰey to stick out, be visible.
- *ǰena -- T ǰena S ǰena/ǰena small kerchief used by old women.
- *weǰap(a) -- T ya-weǰape/... to mould, flatten; to make stg. carelessly (cf.
*Pǰ°ač°(a)), T fa-weǰapa/... to take trouble for fa- sb., T ǰa-
weǰapa-n/ǰa-weǰarapa-n to blink one's eyes.
- *Pǰ°aPla -- B ǰ°ābla/... mat made of rushes.
- *ǰastha -- B ǰāsthā S ǰāsthā/ǰāsta "pasta" (Gr. παστεη barley porridge).
- *ǰarta -- T ǰarta/... to burst, crack (e.g. as fruit), itr. Cf. ǰet(a).
- *ǰaša -- B ǰāša S ǰāša/ǰāša large, big, T also ancestor, S also grownup.
- *Pǰ°ač°(a) -- B ǰ°āč°a/ǰāša flattened, thin (also of fluids), K weǰaš to
flatten.
- *Pǰ°ač°a -- B ǰ°āč°a/ǰāša to stir, K also to hurry.
- *Pǰ°ala -- B ǰāla S ǰāla/ǰāla time, term, K also habit.
- *Pǰ°a(n)ke -- B ǰ°a(n)č°e/ǰank to puff, crackle, K also flying spark, flock,
tuft.
- *ǰašǰ°(a) -- B ǰāšǰ°a, ya-ǰašǰ°e/ǰāšǰ°a, ya-ǰašǰ° to pinch.
- *weǰaǰ°e -- B weǰaǰ°e/... to pluck (a bird).

- *pāSTĥ(a) -- B pāstĥa, ya-pāstĥe/pāstĥa, ya-pāstĥ to scratch. Cf. *Tĥ(a) to tear.
 *Pq°ane -- T p°ane/... scale of fish.

- | | | | | |
|-------------|---|--|-----------|--|
| *dēpē | T | <u>to vanish</u> | *č'apa | <u>calf of leg/shin</u> (w. la-) |
| *taPq°e | | <u>to rip open</u> | *laPq°a | <u>dear, expensive</u> |
| *lēpē | K | <u>to be pressed, squeezed</u> | *lēpa | T <u>to be fried, grilled slightly</u> |
| *Sk°ēpē | | <u>rotten (egg)</u> | *qhapa | K <u>scale of fish</u> |
| *wēpapa | | <u>to blink (eyes), T also to mould, flatten</u> | *qha(m)pa | <u>dandruff, K also husk of grain</u> |
| *tēpa | T | <u>to crack (of corn flakes), itr.</u> | *qa(m)pa | <u>thing, goods, wares/bag, pouch; equipment; trifle</u> |
| *čap(a) | | <u>(to make) dirty</u> | *q°e(m)pa | <u>bridle, reins</u> |
| *sa(m)pa | | <u>sheath (for knife or dagger)</u> | *wēpa | <u>to slaughter/to skin</u> |
| *Psa(m)Pq°a | | <u>collar</u> | *napa | <u>eyelid</u> |
| *š°ampa | T | <u>husk, skin, peel</u> | | |
| *č(a)Pq°a | | <u>land, terrain, district, parcel</u> | | |

5. t^h

- *t^he -- B t^he/te to stand (only w. local prefixes).
 *t^h(a) -- B t^h(a)/t(a) to give, (in)tr.
 *t^herk^h°e -- .../terk° fatty or fleshy tumor-like growth in animal organism.
 *t^haš°a -- .../tāfa glade, field of grass (for *š° not *č^h° cf. *č°eš°a).
 *t^hage -- B t^haž°e/tag to stand up, rise.
 *t^hax°e -- .../tax° white.
 *t^haq:°(a) -- T tāq°(a)/tāq°a to strew, pour dry substances (with local preff. ye-, xa- into, T out of, a container, resp. mass); T ġa-taq°a-n also to husk.

- | | | | | |
|-----------------------|---|-------------------------------------|-----------------------|--|
| *č'athē | | <u>saucer, podstavka</u> | *č'etha | B <u>to emit sparks</u> |
| *k ^h enthē | K | <u>(ethnic name in Nart epos)</u> | *Psetha | B <u>to swell, suffer from dropsy</u> |
| *k ^h athē | | <u>sheep-shed</u> | *wēPzetha | K <u>to cut, shred</u> |
| *q ^h athē | | <u>to take up, lift up</u> | *č ^h 'athā | <u>film on milk / cream</u> |
| *q°athē | | <u>to knead, rub (esp. leather)</u> | *č'etha | <u>to soak, itr.</u> |
| *g°athē | | <u>to find</u> | *wēPč'athā | <u>to cut (e.g. meat)</u> |
| *nārt ^h e | | <u>Nart</u> | *š ^h 'athā | <u>to sigh</u> |
| *p ^h athā | B | <u>to be damaged, worn out</u> | *š ^h athā | B <u>to try out, check</u> |
| *webathā | B | <u>to break (as plate), tr.</u> | *Pš:athā | <u>tanning solution</u> |
| *det ^h a | | <u>to quilt</u> | *λetha | <u>to consider</u> |
| *tat ^h a | | <u>to come loose, be unfastened</u> | *λath(a) | <u>to bounce/to fly, jump up, fall out, etc.</u> |

*lat ^h a	<u>rennet (used to curdle milk)</u>	*q:°et ^h a	<u>to smash, break up, chop</u>
*k:at ^h a	<u>sword</u>	*q:°ert ^h e	<u>brood(-hen)</u>
*ket ^h a	<u>malt</u>	*q:°at ^h a	<u>to tell, report/to announce, make known</u>
*weket ^h a	<u>shame</u>	*x°at ^h a B	<u>ravine, gully</u>
*k:°art ^h (a)	<u>a certain (solid) number/ (large) herd</u>	*Px°at ^h (a)	<u>to grasp, seize, tr.</u>
*k°et ^h (a)	<u>to pour (in, out)</u>	*Px°ant ^h a	<u>trunk, chest</u>
*k°at ^h (a)	<u>to move along</u>	*(P)g°a(n)t ^h a	<u>to grow mouldy</u>
*x°et ^h a	<u>to forge</u>	*šnant ^h a	<u>pillow, cushion</u>
*x°et ^h a K	<u>to explore, discover, make clear</u>	*yath ^h a	<u>to rage (storm)/become insolent</u>
*x°a(r)t ^h a K	<u>diaper (-r-), scarf (-)</u>	*wet ^h a	<u>to trample, to knead clay with the feet</u>
*qat ^h a	<u>haystack</u>	*mat ^h a	<u>basket, beehive</u>
*xat ^h a	<u>(nothing) special/(not) a bit</u>		

6. St^h

*paSt ^h a	<u>"pasta"</u>	*maSt ^h a	<u>needle</u>
*lanSt ^h a	<u>scissors</u>		

7. S't^h

*S't ^h a	-- B š't ^h a/šta <u>to be frightened.</u>
*S't ^h aPxa	-- T š'tāpxa/... <u>cowardly.</u>

8. St^h

*St ^h a	-- B št ^h a/šta <u>to take, tr. (B t^hya-št^ha-n to take after sb.).</u>
*St ^h a	-- B št ^h a/šta <u>flint</u> (B also št ^h a°°eč'a, T štawēč'ē).

9. t:

*t:(a)	-- B t:ē, yāt:a/hada <u>father</u> , B t:āt:a/dāda <u>daddy/grandpa</u> (address).
*t:a	-- B t:a/da <u>we.</u>
*wet:esa	-- B wet:esa/... <u>dust penetrates</u> , B g'a-wet:esa <u>to make dust, pulverize.</u>
*t:ēš:°ē	-- B t:ēš:°ē/deš <u>relatives of wife.</u>
*t:ēq:ē	-- T pša-tēqē/pša-dēq <u>back of neck, occiput</u> (pša <u>neck</u>).
*t:ēga	-- B t:ēga/dēga <u>sun.</u>
*t:erq:°a	-- T terq°a/derq°a <u>scar.</u>
*t:ēg°(a)	-- B t:ēg°(a)/dēg°(a) <u>to steal, (in)tr.</u> , T tēg°ē/dēg° <u>theft/thief.</u>
*t:ewe	-- Š t:ewe/dēw <u>grain storehouse.</u>
*t:az(a)	-- T tāza/-dāza <u>crooked</u> , T wē-tazē-n <u>to bend down, tr.</u>
*wet:aš°a	-- B wet:aš°a/wedāfa <u>to misbehave, make mischief, act violently, T also to get drunk.</u>

- *t:ala -- T tāla/dāla to splash/to threaten, T ga-tala-n/ga-dāla to rattle (the sabre)/to wave threateningly, shake (fist), rattle (the sabre).
- *t:aq:a -- B t:āq:a/dāq:a stump/handle, thick end of pole, T also deadfall; K daqā-q stump. Cf. *daq:a.
- *t:aya -- B t:āya/... (package of) neatly arranged things (as needles, wood). K tāy layer, if related, must be a borrowing (ā irregular).
- *t:ama -- B t:āma/dāma wing.

- | | | | |
|-----------------------|------------------------------|----------------------|--|
| *bet:e | B <u>hunchbacked</u> | *s ^o at:a | <u>a corn-beverage</u> |
| *wəbet:e | <u>to catch, grab</u> | *xat:a | <u>kitchen-garden</u> |
| *s ^o ant:e | <u>wineskin</u> | *hat:a | <u>father</u> |
| *z ^o at:e | B <u>to make merry</u> | *wet:(a) | <u>to pound, thresh (sunflower seeds, maize), beat (egg)</u> |
| *k:at:e | <u>chicken</u> | *wet:(a) | <u>to sow by hand</u> |
| *x ^o at:e | B <u>blizzard</u> | *wat:a | <u>hammer</u> |
| *nat:e | <u>goatskin sack</u> | *ma(r)t:a | <u>quantity, measure</u> |
| *p:et:a | <u>strong, solid; stingy</u> | | |

10. St:

- *St:(a) -- B st:ə/śa-śa-st to burn, itr./to fan or add fuel to fire (śa-under), B st:a to burn (as lamp), itr. Cf. *se.
- *St:ere -- T stərə/... hot, bitter, sharp (taste). Cf. *sere.
- *St:ax^oa -- T stāfa/... ashes. Cf. *sax^oa.

11. S't:

- *S't:e -- B š't:ə/štə to freeze (of liquid).

12. S^ot:

- *S^ot:e -- B s^ot:ə/fte genitals (male and female).
- *S^ot:e -- S ye-s^ote/Be ye-fte to hurl oneself into ye-.
- *S^ot:ere -- T ya-s^oterə/... to kick.

- *čas^ot:(a) to slide, slippery/to move rapidly
- *x^oes^ot:e T to fly off (as wheel from axle)

13. d

- *d(a) -- B d(a)/d(a) to sew, (in)tr.
- *d(a) -- B xa-d(a)/xa-d(a) to choose, pick out, (in)tr. (xa- group, mass).
- *da -- B da/da nut.

- *da -- B da/da to agree, consent to stg. (object).
- *dəmpe -- T dəmpe/... to vanish.
- *det^ha -- T deta/deta to quilt.
- *dədə -- B dədə/dəd awl.
- *dədə -- T ġa-dədə/... to carry stg. away quickly; to spread quickly (rumor).
- *dəse -- T dəse/... steep; stinging, sarcastic.
- *dəPze -- S dəbze/... veranda.
- *dəşa -- B dəşa/dəşa gold.
- *dəge -- B dəʒ^ʼə/dəg bitter, sour, sharp-tasting.
- *dəq:ə -- B dəq:ə/dəq^ʼ to stiffen, grow numb, freeze. Cf. *dəye and *q:ə.
- *dərgə -- T ya-dərgə/... to abuse, address caustically (T dərġ is an onomatopoeia for the grunting of pigs).
- *dəwa -- B dəwa/pse-dəwa leech (pse water).
- *dəye -- B dəye/dəye-ž to cool off, congeal, grow numb (K -ž again, as previously). Cf. *dəq:ə.
- *d(a)da -- B dāda/dədə very, just, exactly.
- *daxa -- B dāxa/dāxa beautiful.
- *dag^oa -- S dāg^oa/... short-eared.
- *dag^oə -- B dag^oə/dag^o deaf.
- *daq:a -- B dāq:a/dāqa hind end, esp. last pair of animals put before cart, T la-dāqa/la-dāqa heel, K pša-dāqa back of neck. Cf. *t:aq:a.
- *dapq:ə -- B dapq:ə/... wall.
- *dağa -- B dāğa/dāğa lard, fat.
- *daq^ʼ(a) -- B dāq^ʼa, ya-da^ʼə/dāq^ʼa, ya-da^ʼ to listen, obey.
- *daṣ^oə -- T daṣ^oə/... to make a wrong choice.
- *dağ^o(a) -- B dağ^oə/dāğ^oa good.
- *dağ^oa -- B dāğ^oa/dāğ^oa defect, shortcoming.
- *daye -- B daye/... bad.
- *dawa -- B dāwa/dāwa to quarrel, have a lawsuit (Tu. dāvā).
- *dana -- B dāna/dāna silk (as woven material).

- | | | | |
|------------------------|---|---------------------|----------------------------|
| *dədə | <u>awl</u> | *g ^o ədə | <u>vulva</u> |
| *dədə | T <u>to be carried away quickly, spread quickly (rumor)</u> | *q:adə | B <u>stubborn</u> |
| *wəza(n)də | <u>to load (a gun)</u> | *wədə | <u>witch</u> |
| *ç:əndə | <u>rook</u> | *wadə | <u>thin (of person)</u> |
| *č ^h əde | <u>donkey</u> | *nade | T <u>fine (of mesh)</u> |
| *lə(n)də | <u>to shine, glitter</u> | *d(a)da | <u>very, just, exactly</u> |
| *lande | T <u>pike (zool.)</u> | *za(n)da | <u>steep</u> |
| *k ^h ə(n)də | <u>much</u> | *čə(n)da | <u>peanut</u> |
| | | *lada | <u>to run, rush</u> |

*Txeda	<u>story, tale; instructive/ history</u>	*wəSxenda T	<u>to let oneself go, become shabby</u>
*Sxeda	<u>to chide</u>	*q'eda	<u>flounce, frill, fringe/lace</u>
*k ^h eda	<u>to cork, fill up, cram</u>	*g'e(n)d(a)	<u>gadfly</u>
*k ^h eda B	<u>petroleum, oil; axle-grease?</u>	*ñada	<u>corpse</u>
*k ^h anda B	<u>bush, shrub</u>	*šhanda B	<u>bush, shrub</u>
*k'ad(a)	<u>to disappear, lose oneself, get lost, perish</u>	*hada T	<u>tumor, swelling</u>
*qada	<u>pincers, tongs</u>	*warda	<u>high-born, K also solid, strong</u>
		*nada	<u>empty, without kernel (as seed, nut)</u>

14. t, Tq'

(The two possibilities are ordered alphabetically. All cases of *Tq' involve the morpheme two).

*te	-- B te/te <u>ram</u> .
*t(a)	-- B t(a)/t(a) <u>to dig, (in)tr.</u>
*ta	-- S ta/ye-ta <u>to seat/to put straight up, tr. (ye- in).</u>
*tepa	-- T tepa/... <u>to crack (of corn flakes), itr.</u>
*tese	-- B tese/tes <u>to sit down.</u>
*terza	-- T terza/... <u>to sport, gambol (of horse).</u> Cf. *tara.
*tele	-- B tele/teł <u>to lie down.</u>
*terg°(a)	-- B terg°a/ya-terg° <u>to butt, fillip, bump, jog</u> (K also ya-terq', ya-perq').
*te(r)g°a	-- B te(r)g°a/teğ°a <u>to soften, ripen, T also to curl.</u>
*teya	-- T teya/tay <u>to stick up, stand on end, be bent upward (as moustache).</u> Cf. *ta.
*tatha	-- B tatha/tata <u>to come loose, be unfastened.</u>
*tat(a)	-- B tata/tata <u>to get soft, thaw, become unstable, T also to drip, T š'e-tate to run over, overflow (š'e- location).</u>
*tasa	-- .../tasa <u>dear (address).</u>
*tasa	-- .../xa-tasa <u>to be neglected, allowed to develop unchecked (xamass).</u>
*tač'e	-- B tač'e/taš <u>to undress, tr., T also to rob.</u> Cf. *tağa.
*tak°e	-- B tak°e/tak° <u>a little, few.</u>
*tak°e	-- S tak°e/... <u>place.</u>
*taSxa	-- T tasxa/tasxa <u>to become weak/shaky, unstable, vulnerable spot, Be secret</u> (cf. K tasxa-šax <u>scout, spy</u>). (še- location)
*tağa	-- .../še-tağa <u>to put on as dress, dress sb. with, tr.</u> Cf. *tač'e.
*taPq°e	-- B ga-tape S ga-tapq°e/ta ^p <u>to rip open.</u>
*tax°(a)	-- B tax°a, ya-tax°e/tax°a, ya-tax° <u>to scratch, (in)tr.</u>
*taye	-- S taye/... <u>damp.</u>
*tawe	-- T ya-tawe/... <u>to bump (one's head).</u>
*tara	-- T tara-n/... <u>to sport, gambol (of horse).</u> Cf. *terza.

- *Tq°(a) -- B t°(a)/t(a)w, -t(a) two (twice) (K -ta only in mežameta more than once, repeatedly, lit. not-once-not-twice.
- *Tq°epš:°e -- B t°epš:°e/wetepš to be released/to release, set free.
- *Tq°aza -- T t°āza/... twins (za-t°āza they are twins (to e.o. za-)).
- *Tq°ač°e -- T t°ač°e/tawš twenty.
- *Tq°ač°a -- T t°ač°a SM t°āča/... valley between mountains.
- *Tq°ala -- T t°āla/tewāla a measure (breadth of two fingers).
- *Tq°a(r)q:°a -- T tārqa/tāq°a fork, bifurcation/dual, in two (dissimilative loss of labialization in T).
- *Tq°ana -- T t°āna/tewāna one wife in relation to other (in polygyny).

*čete	<u>ditch</u>	*žanta	<u>place of honor</u>
*wenate	K <u>to direct, level at</u>	*lanta	<u>elastic, supple</u>
*bartā	T <u>fresh, fluffy (butter)</u>	*kant(a)	<u>small last remains</u>
*pet(a)	<u>to crush, press, jam, pinch</u>	*Pgē(n)ta	<u>ungirded</u>
*partā	T <u>to burst, crack</u>	*q°a(r/n)ta	<u>to bend, distort/turn, wind</u>
*tat(a)	<u>to get soft, thaw, drip, become unstable, overflow</u>	*Sx°ant(a)	<u>(electric) blue</u>
*Psenta	T <u>watery, thin (e.g. pasta)</u>	*g°ata	K <u>dark red (prob. of hair)</u>
*čh°eta	<u>to massage, T also squeeze, squash</u>	*šhata	T <u>forehead</u>
*Pč°anta	<u>to sweat</u>	*yata	<u>clay, earth, K also mud</u>
		*nata	<u>forehead</u>

15. ch

- *ch(a) -- B ch°e/cē hair, wool, -cha/-ca suff. hairy.
- *ch°ep°ha -- B ch°ep°ha/cēpa end, tip (of string, sword, etc.)/(single) hair.
- *ch°epza -- B ch°ebza/... autumn-wool.
- *cherxē -- .../ya-cerx to touch.
- *ch°eya -- B ch°eya/cay "cherkeska" (Caucasian national garment).

*lec°he	K <u>moss</u>	*g°erc°ha	B <u>brushwood, shrubbery</u>
*šhac°he	<u>head-hair</u>	*hanc°ha	<u>wooden spade</u>
*q:°a(n)ch°a	<u>branch w. twigs/branchy</u>		

16. c:

- *c:a -- B c:a/3a tooth, edge of blade.
- *c:a -- B c:a/3a grain, pellet of grain, grain (of sand, etc.).
- *c:a -- B -c:a/3a spoke of wheel (cf. B c:āga K 3āža rib).
- *c:exa -- B c:exa/3exa frail, weak, without stamina or self-possession, T also hot-tempered; T qa-cexa-n/qa-3exa to flinch, T also to flare up.
- *c:eg°a -- B c:eg°a/3eg°a mouse.

- *c:əñ(a) -- B c:āñə T cəñə/ʒəñ, ʒəñə faith, confidence.
 *c:alə See *l:c:alə.
 *c:aŋa -- B c:āč'a/ʒāka edge.
 *c:ak:°a -- B c:āk:°a/ʒāg°a blunt, dull.
 *c:ax°ə -- T cafe/ʒax° tin.
 *c:aq:a -- B ya-c:āq:a/ya-ʒāqā to bite.
 *c:aŋa -- T cāŋa/ʒāŋa with teeth spaced wide apart (person, fork).
 *c:ağ°ə -- T ya-cağ°ə/ya-ʒağ° to gnaw.
 *c:ayə -- T cayə/ʒay mate, partner (esp. in tilling of land).

- | | | | |
|----------|--------------|----------|--------------------------------------|
| *k:°ac:ə | <u>wheat</u> | *k:°ec:a | <u>spoke of wheel</u> |
| *wec:ə | <u>grass</u> | *ñac:a | K <u>grain (of corn, sand, etc.)</u> |

17. Pc:

- *Pc:(a) -- B pc:(a)/bʒ(a) to chisel, (in)tr., B pc:ə/bʒə chisel.
 *Pc:a -- T pe-pca/... to affix, nail stg. to the end pe- of stg., tr.,
 T tya-pca patch.
 *Pc:a -- B pc:a/bʒa fish/large fish, K bʒa-ʒay fish (-ʒay small).
 *Pc:aş°ca -- B pc:āş°a/bʒāmca Be ʒāfca lead (metal) (T pčāş°a with metathesis of glottalization).
 *(P)c:alə -- B pc:yale ʒ pc:aley/ʒal willow.
 *Pc:a(n)Tña -- B pc:ātña/bʒā(n)tña joiner's glue.

- | | | |
|-----------|-------------------------------------|------------------------|
| *kaPc:(a) | <u>thigh of animal, leg of bird</u> | (as dough) |
| *ğ°aPc:a | T <u>to harden, form a crust</u> | *naPc:a <u>eyebrow</u> |

18. ʒ

- *ʒ(a) -- B ʒ(a)/ʒ(a) to throw out of (resp. into), tr.
 *ʒa -- B ʒa/ʒa army, B ʒāk°a/ʒāk°a campaign (k°a to go).
 *ʒəya -- T zə-š'e-ʒəya-n/zə-şə-ʒay to stand apart, avoid stg. (zə- one-self, š'e-/şə- there).
 *ʒəwa -- T ʒəwa/... sack.

- | | | | |
|-------------|--------------------------|----------|-----------------------------------|
| *beʒə | <u>woman's breast</u> | *baʒa | <u>fly (zool.)</u> |
| *weTxe(n)ʒə | T <u>to sift</u> | *Pseʒa | <u>flood, inundation</u> |
| *Pxaʒə | T <u>lot, fate</u> | *č'aʒa | <u>lining, saddle cloth, etc.</u> |
| *ğ°aʒə | T <u>to answer (pe-)</u> | *Pžeʒa | <u>flea</u> |
| | | *Pg°əʒa, | -za <u>narrow, tight</u> |

19. ċ

- *ċ(a) -- B ċə/ċə to defecate, itr., K -ċa id. (in compounds).
 *ċa -- B ċa/ċa louse.
 *ċa -- B ċa S ša/ċa name.
 *ċert^ha -- B ċert^ha/... to emit sparks.
 *ċəċə -- T ċəċə/... to crumple, itr. and tr.
 *ċəp̥ʒa -- T ċəp̥ʒa/... to swell.
 *ċəʒ^oə -- B ċəʒ^oə/ċəv bug, beetle, T a kind of fly.
 *ċəʒ^o(a) -- B zə-ġa-ċəʒ^oə-n/ċəv, ċəva to make off (zə- oneself)/to whirl, fly.
 *ċəp̥λ(a) -- .../ċəp̥λ scarlet, ċəp̥la brown (of horses). Cf. *ċaP̥lə.
 *ċək^hə -- T p̥xa-n-ċəċ^hə/p̥xa-ċək castanets (p̥xa wood).
 *ċək^oə -- B ċək^oə/ċək^o small, little.
 *ċex^oə -- B ċəfə/ċex^o human being, person.
 *ċex^oə -- B ċəfə/ċex^o to know, be acquainted with.
 *ċerxə -- B ċerxə/ċerx thin (of vegetation), transparent (of fabrics),
 K wəċerx to make stg. carelessly, throw together.
 *ċəšx̥a -- T ċəšx̥a/... to glitter, sparkle.
 *ċərġə -- S ċərġə/... snail.
 *ċewə -- B ċewə/ċəw to shine, glitter, K also to squeak, cheep.
 *ċən(a) -- B ċəna S šəna/ċəna moist, unripe, uncooked, K also pus; K wə-
 ċən to become moist.
 *ċap̥(a) -- B ċāp̥a/ċāp̥a dirty, K wə-ċap̥ to make dirty.
 *ċaʒ^ot:(a) -- B ċāʒ^ot:a/xā-ċaft, -ċāfta slippery, to slide/to move quickly out of (resp. into) stg. (xā- mass, group).
 *ċāċa -- T ċāċa/ya-ċāċa to curse, bawl out.
 *ċa(n)la -- B ċāla/ċānla to slip, slide, T also to creep, crawl.
 *ċaP̥lə -- T ċap̥lə/... red-haired. Cf. *ċəP̥λ(a).
 *ċāla -- B ċāla/ċāla to smear, tr.
 *ċāk̥a -- B ċāċ^hə/ċāk̥a nit.
 *ċax^oa -- .../ċāx^oa cobra.
 *ċāntx̥^oa -- B ċāntx̥^oa/ċāntx̥^oa to scrape/to slide.
 *ċaġ^oə -- T ċaġ^oə/... weak, frail.

*ċəċə	T <u>to crumple</u>	*ʒ ^o əċ(a)	<u>black</u>
*k ^h (a)ċə	<u>kid, young goat</u>	*lə(n)ċ(a)	<u>to scorch</u>
*kaċə	<u>to lay eggs</u>	*Txəċa	<u>backbone, spine</u>
*k ^h əċə	<u>marrow</u>	*P̥xāċa	T <u>bedbug</u>
*k ^o aċə	<u>innards, inside, interior</u>	*maċa	<u>locust</u>
*yanċə	K <u>long pole, lever</u>	*naċ(a)	<u>to wish, desire, hanker for</u>
*ċāċa	<u>to curse, bawl out</u>		

20. Pč, Šč

(The two possibilities are ordered alphabetically. *Šč occurs only in non-final segments. Evidence for *Šč is either Š šč, or B T šč besides K pč (in one case K mc Be fc). See Introduction p. 5-7).

- *Pč(a) -- B pče Š pse/pče lie, falsehood, T gā-pča/gā-pča to deceive.
- *Pč(a) -- T mež^oa-we-pča/meva-we-pča whetstone (*mež^oa stone), T we-pa-pče/we-pa-pč to sharpen (a pointed object) (pa- nose, point).
- *Pča -- B pča/pča to ferment, curdle, turn sour (of milk), coagulate (of blood).
- *Pča -- B pča/pča to be fulled, felted (cf wool), get tangled (of hair).
- *Pča -- B -pča/-pča quite, completely, entire, massive (K ye-zaq^oapča quite alone, weže-pča thick grass); bare in *laPča, *šhaPča, *Pčana.
- *PčePče -- .../pčepč liar.
- *Pčey(a?) -- T pčey/... ore (vocalic nature of 2nd segment unknown).
- *Pčašx^oa -- B pčašx^oa Š psāšx^oa/pčašx^oa swallow (zool.).
- *Pčawe -- B pčawe Š psawe/... to yelp. Cf. Pč'awe.
- *Pčan(a) -- B pčāna Š psāna/pčāna bare, naked, K we-pčan to undress.

*Š'xePče T	<u>to smile</u>	*čaPča T	<u>dark, dark grey, dark blue</u>
*xepče K	<u>cartilage</u>	*laPča K	<u>clot of blood</u>
*x ^o epče B	<u>to itch</u>	*laPča	<u>barefoot</u>
*wePče K	<u>to splash, splatter</u>	*lePča	<u>flesh</u>
*naPče	<u>false, deceptive</u>	*kaPča	<u>lower abdomen/stomach</u>
*p ^h a(m)Pč(a)	<u>sharp point, sharp</u>	*q ^o aPča	<u>swarthy, K also lean</u>
*PsePča	<u>bog, swamp</u>	*šhaPča T Š	<u>bare-headed</u>
*čepča	<u>chernozem</u>	*nePča Š	<u>intestines</u>

(Addenda see p. 93)

21. s

- *se -- B se/se to sit (only w. local prefixes).
- *se -- .../se to burn, tr. and itr. Cf. *St:e.
- *se -- B ya-se/ya-s to swim, K xa-se-k to swim out of -k a mass xa, etc.
- *se -- B q:a-se/qa-s to arrive (here), na-se/na-s to reach (a place) (*q:a- hither, *na- thither).
- *s(a) -- B wa-se/wa-s snow, T tya-sa (snow) covers stg. (tya- on). To *se sit?
- *sa -- B sa/sa I (1st pers. sing.)
- *sa -- B sa/sa knife.
- *sa -- B xā-sa/sa to sow (xa- in a mass), T in compounds also put, stick in, e.g., g^oa-sa-n stick in besides g^oa-.
- *sa -- B ya-sa/ya-sa to accustom oneself to stg., K sa adaptable.
- *sese -- B sese/ses to sway, shake, tremble.

- *səge -- B səʒ'ə/səg hump, crest (of bird), anvil, T xə-səʒ' crest of wave (xə sea).
- *səxa -- Š sʰəpa/səxa crystalline snow/sugar-crystals (as in ripe melon).
- *seTʰə -- .../setʰə hoar-frost.
- *sen(a) -- B sena T sene/sen (stone) idol, statue.
- *ser(a) -- .../ser bitter (taste), sera beer. Cf. *St:ere.
- *sera -- T sera/sera drawer (e.g. in cupboard).
- *sap:a -- B s̄ap:a/s̄aba dust.
- *sa(m)pa -- T s̄apa/s̄ampa sheath (for knife or dagger).
- *saʰe -- T sač'ə/sač to castrate.
- *saxe -- B saxe/sax bar, gate.
- *sa(n)Txe -- T satxe/sa(n)tx stony height/height (geogr.). Cf. *Txe.
- *sax^oe -- .../sax^o (quick)lime.
- *sax^oa -- .../s̄ax^oa ashes. Cf. *St:ax^oa.
- *saq:e -- B s̄aq:e/s̄aq̄ (to be) careful. (Balk., Kar. saq id.).
- *sağa -- T s̄ağa/s̄ağa bee-bread/larvae and pupae of bees.
- *saʰə -- T ɣa-saʰə-ʒ'a-n/saʰ^o to spoil/to be spoiled (of child).
- *saye -- T saye/say to be filled up (as ditch).
- *wesay(a) -- T ya-wesaye/... to lean stg. against stg., T ɣ^o-ya-wesāya id. besides ɣ^o(a)- stg.
- *s(a)ma (?) -- B semāʒ'a/sēmāga ill, sick, B samag^oe/samag^o left (side),
cf. resp. *ga bad, *g^oa- prefix besides.
- *sama -- B s̄ama/s̄ama heap.
- *sana -- B s̄ana/s̄ana grape, K also currant and antiquated honey, mead.

- | | | | |
|---------------------|---|-------------------------|---|
| *phase | <u>to be worthy of stg.</u> | *tasa | K <u>dear (address)</u> |
| *pese | <u>futuere</u> | *tasa | K <u>to be neglected, allowed to develop unchecked</u> |
| *tese | <u>to sit down</u> | *Psesa | K <u>fairy-tale</u> |
| *dese | T <u>steep; stinging, sarcastic</u> | *č'asa | <u>beloved, lover</u> |
| *sese | <u>to sway, shake, tremble</u> | *las(a) | <u>to wash, rinse, card (flax)</u> |
| *čhase | <u>to mount a horse</u> | *khesa | <u>pouch</u> |
| *čhase | <u>surety, pledge</u> | *kesa | T <u>to sprout, shoot (of plant)</u> |
| *lase | <u>on foot, unmounted</u> | *kasa | <u>late</u> |
| *lese | B <u>cotton plug (in wound)</u> | *xasa | <u>conference, council, T also to discuss, consider</u> |
| *kase | <u>prisoner of war</u> | *k ^{ho} e(r)sa | <u>stripe</u> |
| *qase | <u>to reach, get to (lə-)</u> | *k ^{ho} asa | See *k ^{ho} aPsa |
| *q ^o ese | <u>food, feed</u> | *g ^o esa | <u>to take offence</u> |
| *yase | <u>manly/tall and well-built</u> | *qasa | <u>tame, quiet</u> |
| *wese | <u>to compose (song), write (story)</u> | *gasa | <u>mowed harvest</u> |
| *wase | <u>snow</u> | *q ^o esa | <u>to touch</u> |
| *phasa | <u>early, long ago</u> | *g ^o esa | <u>companion, fellow-traveler</u> |
| *wet:esa B | <u>to be dusty, pulverized</u> | | |

*pġ ^o es(a)	T <u>sheepskin blanket</u> , S also <u>felt foundation in cradle</u>	*mes(a)	<u>guilty, culprit</u> , T also <u>foreign</u> , K also <u>dishonest, uneducable</u>
*ħasa	<u>bed (in garden), plot</u>		
*wasa	<u>price</u>	*nesa	<u>(father's) brother's wife, daughter-in-law</u>

22. Ps

*Pse	-- B pse/pse <u>water, river</u> .
*Pse	-- B -pse/pse <u>string, cord, lace, strap; handle</u> ; for W. Circ. cf. *laPse, q ^o aPse, etc. Cf. also *kaPsa.
*Pse	-- B ġa-pse/ġa-ps <u>to arrange, bring in order, build, tune, train</u> .
*Pse	-- T ya-pse-xe/ya-pse-x <u>to dismount</u> (ya-...-xe <u>downward</u>).
*Ps(a)	-- B q:-ya-pse/q ^o -ay-ps <u>to shine (as sun, fire), itr.</u> (*q:(a)- <u>hither</u>), T tya-psa/tay-psa <u>to illuminate, itr.</u> (*t ^h ya- <u>on</u>).
*Ps(a)	-- B pse/q ^o -ay-ps <u>to sneeze</u> (q ^o - <u>hither</u>), T tya-psa/... <u>to sneeze (after a pronouncement)</u> (tya- <u>on</u>).
*Psa	-- B psa/psa <u>life, soul</u> .
*Pset ^h a	-- B pset ^h a/... <u>to swell, suffer from dropsy</u> .
*Psent ^a	-- T psent ^a /... <u>watery, thin (e.g. of "pasta")</u> .
*Pseġa	-- T pseġa/pseġa <u>flood, inundation</u> .
*Psep ^č a	-- B psep ^č a/psep ^č a <u>bog, swamp, quagmire</u> .
*Psesa	-- .../psesa <u>fairy-tale</u> . Cf. *č ^h ePsa.
*Psepse	-- T psepse/... <u>gauze, cheesecloth</u> .
*Pse(n)ṣe	-- B pseṣe T psenṣe/pseṣ <u>mud, mire</u> .
*Pseṣ ^o (a)	-- B pseṣ ^o a/psef <u>moisture</u> , K also <u>wet, to wet</u> .
*Pseṣ ^o a	-- T pseṣ ^o a/pseva <u>boiling water</u> .
*Psenč ^o a	-- B psenč ^o a/psenṣa <u>light, swift</u> .
*Pseḷa	-- B pseḷa/pseḷa <u>flask</u> , K also <u>marshy terrain</u> .
*Psex(a)	-- T ya-psexē/ya-psex <u>to dismount</u> , T da-psexa/... <u>id. in an enclosure</u> da-. S has ya-pskaxe.
*Psexa	-- T psexa/... <u>lower reaches of river</u> . Opposite T K pseṣḥa <u>upper id.</u>
*Pseg ^o e	-- S pseg ^o e/... <u>island</u> .
*Pseḡa	-- T pse ^o a-psebla/pse ^o a <u>wet/wetness, moisture</u> .
*Pseḡ ^o e	-- T pse ^o ^o e/pse ^o ^o <u>riverbank</u> .
*Pseḥ ^o a	-- B pseḥ ^o a/pseḥ ^o a <u>river(bed), channel</u> .
*Pseḡ ^o a	-- B pseḡ ^o a/pseḡ ^o a <u>thin (of cylindrical objects)</u> .
*Pseñ(a)	-- T ya-pseña/pseñ <u>to temper (metals)</u> .
*Psenā	-- B psena/psena <u>well/spring</u> .
*Psap ^h a	-- B psāp ^h a/psāpa <u>good deed/blessing</u> .
*wePsaPsa	-- T wepsapsa-n/wepsāpsa <u>to become damp</u> (K also wesāpsa).
*Psaṣ ^o e	-- B psaṣ ^o e/psaf <u>pregnant (of animal)</u> .
*Psaḷa	-- B psāḷa/psāḷa <u>word, speech, utterance</u> .
*Psax ^o e	-- B ze-ġa-psafe/psax ^o <u>to rest</u> (ze- <u>oneself</u>).

- *Tsāga -- T psāga/... target (in shooting).
 *PsaTha -- .../psātha (a heathen god).
 *Psaye -- B psaye/psay black maple/spruce, fir.
 *Psawe -- B psawe/psaw to live, K also healthy (B psāwe), whole, all (B pst:awe).
 *Psawa -- T ya-psawa-n/... to take aim at stg.

- | | | | |
|-----------|---|-------------|--|
| *PsePse T | <u>gauze, cheesecloth</u> | *ŠhaPse K | <u>light-headed, giddy</u> |
| *č'h'ePse | <u>a type of sauce</u> | *haPse T | <u>wooden bowl</u> |
| *laPse | <u>leather shoestrap, shoelace</u> | *naPse | <u>tear(s)</u> |
| *laPse | <u>bouillon, broth</u> | *wePsaPsa | <u>to become damp</u> |
| *P'laPse | <u>shoulder-strap</u> | *č'h'ePsa | <u>fairy-tale</u> |
| *kaPse | <u>croup of horse</u> | *laPsa | <u>root, foundation/homeland</u> |
| *S'xaPse | <u>glue, starch</u> | *kaPsa | <u>string, rope</u> |
| *Tk'aPse | <u>drop (of water)</u> | *k'h'ePsa | <u>center, pivot</u> |
| *x'ePse K | <u>larva, grub</u> | *k'h'a(P)sa | <u>beardless</u> |
| *P'xaPse | <u>plane (tool)</u> | *g'ePsa | <u>beloved; kind, good/cordial</u> |
| *q:'aPse | <u>handle, haft, ear (of vessel)/rhizome</u> | *x'aPs(a) | <u>to desire, be keen on, envy</u> |
| *q'ePse | <u>spittle</u> | *wePsa | <u>to plane, shave (also the face)</u> |
| *g'aPse T | <u>ichor, pus</u> | | |
| *haPse | <u>pit for keeping prisoners</u> | | |
| *ŠhaPse | <u>string to tie up top part of stg. (sack, trousers)</u> | | |

23. z

- *ze -- B ze/ze to decant, filter, tr.
 *ze -- B ze/ze full (only w. local prefixes).
 *ze -- T ze/ze to (come loose and) fall or fly off, out, etc. (only w. local prefixes).
 *z(a) -- B z(a)/z(a) one (once).
 *za -- B za/za cornel fruit.
 *za -- B gā-za/gā-za to make turn, spin, tr., cf. also *x'arza, *Šha-za, etc.
 *za -- B fā-za/x'a-za to meet sb. (*x'a- for, to); possibly identical w. preceding (turn toward?).
 *za -- B za-/za- self; each other, cf. *zaŠh, *zaPq:(a), etc.
 *zeyā -- T da-gā-zēya/... to lift up, turn face up. To *za turn with da-...-ya upward.
 *weza(n)de -- B wezade T wezande/wezad to load (a gun).
 *za(n)da -- B zā(n)da/zāda steep.
 *zaze -- B zaze/zaz gall, bile.
 *wezaze -- T wezaze/... to treat or clean stg. (e.g. a tub) with boiling water.

- *zaʒ°ə -- B zaʒ°ə/zav narrow. Cf. *Pǵ°əza.
 *zač°h°ə -- B zaš°h°ə/zaš to be bored, tired.
 *zanč°'(a) -- B zānč°'a/zānšā straight, T wezanč°'e to straighten.
 *zala -- B zāla/zāla to get wrinkled (of skin), K also to wither.
 *zala -- B zāla/zāla a measure (breadth of one finger).
 *za^r/ng(a) -- T zanʒ°'e, zareʒ°'a Š zarg (-gaʒ)/zarēga berries of the snowball tree, T zarʒ°'aya snowball tree.
 *zak°a -- Š zāk°a/... full, whole.
 *zax°ə -- T zafe/... oatmeal.
 *zaPq:(a) -- Š zāpq:a/... straight, T wezapqe to straighten.
 *zanTǵe -- T zantǵe/zantǵ oats (K antiquated).
 *zaǵe -- T zaǵe/zaǵ becoming (of clothes)/easily digestible, easy to get on with, T ya-zaǵe/ya-zaǵ to consent/to accommodate oneself, be fitting, useful.
 *zaǵa -- B zāǵa/zāǵa to come to rest (of physical movement).
 *zaq:°a -- B zāq:°a/zāq°a lonely, (a)lone.
 *zaš°h°e -- B zaš°h°e/zaš°h°e alike, similar.
 *zawa -- B zāwa/zāwa war, battle.

*zaze	<u>gall, bile</u>	*qaza	<u>skilful, doctor</u>
*wezaze	T <u>to clean w. boiling water</u>	*ǵaza	<u>(re)turn, turnoff</u>
*ʒ°a(r)ze	<u>bronze/brass</u>	*ǵaza	<u>measles</u> (*š°a-)
*Pleze	<u>to stare rigidly</u>	*q°h°əza	K <u>to sieve</u>
*ǵe(r)ze	<u>to moan, groan</u>	*q:°ez(a)	<u>to compress, pull fast (as belt)</u>
*x°eze	<u>to press (as fruit)</u>	*q°əza	K <u>crooked, narrow, flat</u>
*q:aze	<u>goose</u>	*ǵ°aza	<u>leader, pilot, target, sight (on gun)</u>
*ǵaze	<u>to force, compel sb.</u>	*ǵ°aza	T <u>to dry out slightly</u>
*ǵ°aze	<u>haze, light fog, steam</u>	*Pǵ°əza, -ʒa	<u>narrow, tight</u>
*weze	<u>pain, disease</u>	*narza	T <u>swan</u>
*maze	<u>forest</u>	*narza	T <u>to soar, hover</u>
*naze	<u>hem, border, edge</u>	*šhaza	<u>"vertjačka" (a disease of sheep)</u>
*t:aza	<u>crooked</u>	*maza	<u>moon, month</u>
*terza	T <u>to sport, gambol (horse)</u>	*naza	<u>squint-eyed</u>
*Tq°aza	T <u>twins</u>		
*x°arza	K <u>to soar, hover</u>		

24. Pz

- *Pze -- B bze/bze female (< *š°ze < *š°eze).
 *Pz(a) -- B bz(a)/bz(a) to cut cloth, (in)tr., T tr. also to operate.
 *Pza -- B bza/bza language.
 *Pza -- B bza/bza bowstring, spring.

- *Pza -- B -bza/-bza intensely, strongly, quite (suffix w. color names, e.g. *Ple-ž'e-Pza bright red, quite red).
- *wePzet^ha -- .../webzeta to cut, shred.
- *Pzex^oe -- T bzefe/bzex^o linden.
- *wePzex^oe -- .../webzex^o to plan, make layout for, tr.
- *PzePxa -- B bzePxa/bzePxa pattern (for cutting).
- *Pzeġa -- B bzeġa/bzeġa slice, piece, T cut-off piece.
- *Pzeġa -- B bzeġa/bzeġa clear (esp. about winter nights).
- *Pzeye -- B bzeye/bzey ray of light, K maġa-bzey flame (maġa fire).
- *Pzeye -- .../bzey corn-stalk.
- *Pzewe -- B bzewe/bzew sparrow, bird (generic).
- *PzaPza -- Š bzābza/... a type of grass.
- *Pzaga -- B bzāġ'a/bzāga evil; to make mischief.
- *Pzaxe -- B bzaxe/bzax to disappear.
- *Pzak:^oa -- B bzāk:^oa/bzāg^oa dumb (without speech).
- *Pzag^oe -- B bzag^oe/bzag^o tongue.
- *Pzaġa -- B bzāġa/... wrong (inner) side of textile.
- *Pzay(a) -- B bzāya, bzaye/bzay to lick, itr. and tr.

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|-----------------------------|--|-----------|--|
| *dePze | Š <u>veranda</u> | *č:aPza | <u>to become transparent by settling (of fluids)</u> |
| *č ^h ePze | <u>mare</u> | *laPza | K <u>mark on feet of domestic birds</u> |
| *yaPze | <u>stable manure/slops, swill from stable manure</u> | *xaPza | <u>usage, tradition, law</u> |
| *c ^h ePza | B <u>autumn wool</u> | *PġePza | <u>to curse</u> |
| *PzaPza | Š <u>a type of grass</u> | *q:aPz(a) | <u>clean, to clean</u> |
| *ġ: ^o aPza, -Pġa | <u>plowshare</u> | *ġePza | <u>lament (song)</u> |
| *č ^h 'ePza | <u>sieve</u> | *TħaPz(a) | <u>token, mark</u> |
| *ġ ^h 'aPza | <u>bow and arrow</u> | *wePza | <u>to try to ingratiate one-self</u> |
| *ġ'aPza | <u>lining</u> | | |

25. š

- *še -- B še/še to become visible, apparent, usually w. local prefixes, but cf. B naf ma-še/nax^o ma-š it dawns, becomes light (*nax^o light, *ma- dynamic prefix in 3rd pers. itr.).
- *še -- T baġ'a-še/... jackal besides bāġ'a fox.
- *š(a) -- B š(a)/š(a) to weave (cloth, thread), braid (belt, lasso), (in)tr.
- *ša -- B ša/ša a hundred.
- *šebe -- Š šebe/... to fill (as sack).
- *šePq:(a) -- B šepq:a/šep^q real, genuine, complete.
- *šeġ^oa -- B šeġ^oa/šeġ^oa to wear mourning.
- *šeñ(a) -- B šeña, šeñe/šeñ deer.

- *wəşey(a) -- T wəşey(a)/wəşey, ya-wəşeya to admonish, exhort, K wəşeyā-k°a teacher, instructor.
- *şəna -- B şəna/şəna lamb.
- *şaba -- B şāba/şāba soft (material, character).
- *şaş(a) -- B şāşa/şāşa to crumble, fall apart, q:ə-y-ğa-şaşe/qə-y-ğa-şaş to pour out (dry substances), B also cause to rustle (as silk) (*q:- hither, y- hollow space).
- *şaşa -- B ʔ°ə-şāşa/ʔ°ə-şāşa to whisper (prob. identical w. preceding).
- *şale -- T ğa-şale/... year ğa with good harvest, S rainy weather.
- *şax°ə -- B şafe/şax° secret.
- *şağa -- B şāğa/şāğa (round) braid, lace (as adornment).
- *şaya -- S şāya/... squirrel. Cf? B ş°āya rat.
- *şawa -- B şāwa/şāwa youth, esp. bridegroom, T also son.

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|---------|--|----------|--------------------------|
| *ş°aşe | <u>trust, confidence</u> | *wəlaşa | S <u>to pound, crush</u> |
| *weşe | <u>to trot</u> | *k:°əşa | <u>cradle</u> |
| *paşa | <u>big, ancestor</u> , S <u>grownup</u> | *k°aşa | T <u>to sneak up</u> |
| *deşa | <u>gold</u> | *Pxaşa | <u>weaver's comb</u> |
| *şaşa | <u>to crumble, be poured out, rustle</u> | *ğ°əş(a) | <u>to dry out, dry</u> |
| *şaşa | <u>to whisper</u> (*q°ə-) | *weşa | T <u>to stuff, fill</u> |
| *Pşaşa | <u>girl/maiden</u> | *meşa | <u>bear</u> |
| *Pč°aşa | <u>leaf, foliage</u> | *naşa | T <u>brow-ridges</u> |

26. Pş

- *Pşe -- B pşe/pşe to get tired, K also to get out of breath.
- *Pşa -- B pşa/pşa neck, T q°až°ā-pşa/q°až°āpşa upstream end of village (*q:°až°a).
- *Pşa(m)Pq°a -- B pşāpa S pşāp°a/pşāmpa collar (of clothing).
- *Pşabe -- T pşabe/... back of neck.
- *Pşaşa -- B pşāşa/pşāşa girl/maiden.
- *Pşaš°ə -- B pşaš°ə/pşaš° chain/collar (as of dog).

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| *laPşe | <u>god of the smiths</u> | *q°aPşa | <u>wrist</u> |
| *laPşa | <u>ankle</u> | | |

27. z

- *zə -- B zə/zə old; inveterate.
- *z(a) -- B za/za to be baked, roasted, scorched, T p-ya-zə to burn the end p- of stg. (e.g. one's hand); prob. also in T za-ğa-weze/zə-n consumption (-ğa -ness, weze disease, -n verbal noun).

- *za -- T p-ya-za-n/p-ay-za to go to meet sb., often 2nd element w. verbs of motion: *p^h-ya-č:a-za run to meet, etc.
- *za -- T za-zəya/za-zay kidneys. Cf. next item.
- *zəya -- B -zəya/-zay small.
- *zaža -- B zāža/zāža slow, lingering, dawdling.
- *zarq:ə -- S zarq:ə/... pole w. branches on which herdsmen hang sacks, etc.
- *zawə -- B zawə/... Russ. xozjain.
- *zama -- T zāma/... a kind of cakes baked for funeral repast.

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|----------------------|--------------------------------|-------|--|
| *p ^h əzə | <u>hedgehog/blackthorn</u> | *yəzə | <u>antiquity, ancient</u> |
| *Pse(n)zə | <u>mud, mire</u> | *nazə | T <u>to be keen on stg. (ya-)</u> |
| *g ^o əzə | T <u>anger, malice, grudge</u> | *zaža | <u>slow, lingering, dawdling</u> |
| *Sx ^o əzə | <u>pelvis</u> | *xəža | <u>to hurry/to be bold, decisive, frenzied</u> |
| *q ^h əzə | <u>pear</u> | *ğəža | <u>to solder</u> |
| *ğ ^o erzə | B <u>roof-tiles</u> | | |

28. Pz

- *Pza -- B bza/bza horn, drinking-vessel, in compounds also nail, hoof.
- *Pzap^ha -- T bzāpa/bzapa precipice.
- *Pzas^oə -- B bzās^oə/bzaf feeding-bottle. T also bzās^oə.
- *Pzala -- T bzāla/... round basket used as form for cheese.
- *Pzāq:°a -- B bzāq:°a/bzāq^oa horn (of cow, etc.).
- *Pzana -- B ?a-, la-bzāna/?a-, la-bzāna finger-, toe-nail.

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|----------------------|--------------------|--------|------------------------------------|
| *p ^h aPza | <u>bush, shrub</u> | *laPza | <u>hoof, claw/root, foundation</u> |
| *čəPza | T <u>to swell</u> | | |

29. Š, Šq

(The possibility Šq as opposed to š has been reported for Šqa to know only).

- *še -- B še S še/še to make, build, tr.
- *ša -- T pe-ša-n/pe-ša to tie stg. to (the front end pe-) of stg., tr.
- *ša -- T tya-ša-n/... to pass (of time, tya- here since), in K only in the expression k^oad š-ā-wa long ago, lit. much k^oad having passed (-ā past, -wa modal case).
- *Šqa -- B ša S šqa/ša to know, tr., to perform, itr.
- *šaka -- T šāč'a/šāka weeds, K also chaff.
- *šaxe -- B šaxe S šaxe/šax quickly, soon.
- *šag^oa -- B šāg^oa/šāg^oa important, interesting, rare, T also miraculous; B ša-šāg^oa/ša-šāg^oa to astonish.

*ṣ̌°əṣ̌a	<u>beneficent, benefit, good deed</u>	*ḡaṣ̌a	<u>life(time)</u>
*ḷəṣ̌(a)	<u>hired worker; earn as id.</u>	*q̌°əṣ̌(a)	<u>to build (as dam)/dam</u>
ḷaṣ̌(a)	<u>century (-ḡ°(a))</u>	*ḡ°əṣ̌a	<u>to quarrel, swear, grumble</u>
		*ḡ°əṣ̌a	T <u>to prance (of horse)</u>

30. Pṣ̌

- *Pṣ̌(a) -- B pṣ̌(a)/pṣ̌(a) ten (times).
 *Pṣ̌(a)Pṣ̌(a) -- T pṣ̌āpṣ̌a/pṣ̌epṣ̌ to ferment, boil/to glitter, be iridescent.

- *Pṣ̌(a)Pṣ̌(a) to ferment, boil, glitter *naPṣ̌a brow-ridges
 *q̌°ePṣ̌a lips

31. ḡ°h°

- *ḡ°h°e -- T bzaḡ°e-rā-ḡ°e/bzaḡ°e-ra-f to articulate badly, to burr (*Pza-ḡ°e tongue, -rā-/ra- instrumental), cf. also T ḷa-bḡ°e-ḡ°e walking with slanting feet (ḷa foot, bḡ°e side). Prob. to be combined w. next item.
 *ḡ°h°a -- B ṗa-be-ḡ°h°a/... mitt; possibly hand-hollow-slide (cf. *ḡ°h°a-ḡ°a), though -be- may also be an extension of ṗa (cf. *ḷabe heel), or may represent a variant of connective -m-.
 *ḡ°h°aḡ°a -- B ḡ°h°aḡ°a/... to creep, slide.

32. ḡ°:

- *ḡ°:e -- B ḡ°:e/və bull, ox.
 *ḡ°:ende -- B ḡ°:ende/vənd rook.
 *ḡ°:e(n)Tḡa -- B ḡ°:etḡa T ḡ°:entḡa/... to tear up.
 *ḡ°:aPḡa, -Pza -- B ḡ°:ābza/vābḡa plowshare.
 *ḡ°:āq:a -- B ḡ°:āq:a/vāq:a shoes.

- *Pḡaḡ°:e rafter/brace between rafter and beam *wəḡ°:a to stand, stand up(on), stop, halt, B also to get tired
 *Tḡaḡ°:e wheat-flour dough

33. ḡ°

- *ḡ°a -- T ḡ°a/... to dam, fill, block up.

- *ḡa(n)ḡ°a haystack, rick

34. s°

- *s°e -- B s°e/fē to get wet; to rot.
- *s°e -- B wa-s°e/... hail (meteorol.) (wa- sky, weather).
- *s°e -- B -s°e/-f suffix to be able to.
- *s°(a) -- B ye-s°e/ye-f to drink, tr. (ye- hollow, container), B ya-s°a/ya-fa to drink, itr.
- *s°a -- B s°a/fa hide, skin, leather, bark of tree, peel, etc.
- *s°a -- B s°a/fa color, appearance, T warade-s°a melody (warade song), cf. *Pq:e. Orig. identical w. preceding item.
- *s°a -- B s°a/fa you, pl.
- *s°a -- B q:a-s°a/qā-fa to dance (*q:a- hither), T la-pa-re-s°a to dance on the tips pa of the feet la (-re- instrumental), T šha-šā-s°a with shaking head šha; cf. also *weš°as°a.
- *s°eze -- B s°eze/fēz woman.
- *s°e(n)č°e -- B s°eč°e/fēš to rob/to pluck (a bird), T s°enč°e/pē-fešē-k to tear up/to tear off (as fruit from tree) (pē- tip, -ke out of, away from).
- *s°ampā -- T s°āmpā/... husk, skin, peel.
- *s°at:a -- B s°āt:a/fāda a beverage made of corn; beverage (generic).
- *s°ant:e -- B s°ant:e/fand wineskin (B antiquated).
- *weš°as°a -- T ša-weš°ās°a/wefāfa to (T cause to) rock, sway; caus. also to show (K by waving stg.).
- *s°aš:(a) -- B s°āš:a/fāša outfit, costume, uniform; to be worthy, fitting, K ša-faš to equip, adorn.
- *s°apžē -- T s°abžē/fabž blow, stroke/maiming, mutilation.
- *s°ala -- B s°āla/fāla vessel, cup.
- *s°aga -- T s°āž°a/fāga luckless/ugly, unattractive.
- *s°ax°e -- T s°afe/fax° plain, steppe, smooth side of knucklebone used in bone game/bald.
- *s°aq:°e -- T s°aq°e/fāq° bald.
- *s°(a)ğ°a -- B ya-s°eğ°a/fēğ°a to envy/envy (noun), T tya-weš°ağ°a-n to envy (tya- on, etc.).
- *s°ağ°a -- B s°āğ°a/fāğ°a pale.
- *s°aya -- B s°āya/... rat.
- *s°awe -- B s°awe/faw honey.

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|-----------|--|-----------|---------------------------|
| *Psaš°e | <u>pregnant (of animals)</u> | *Pseš°(a) | <u>moisture</u> |
| *Pzaš°e | <u>feeding-bottle</u> | *weš°as°a | <u>to rock, sway</u> |
| *ğ°as°e | T <u>saline soil; dust-colored, dusty</u> | *č°es°a | <u>human skin, body</u> |
| *waš°e | B <u>hail</u> (meteorol.) | *laš°(a) | <u>to pull, drag</u> |
| *naš°e | <u>blind</u> | *laš°a | <u>harrow</u> |
| *thas°a | K <u>field of grass, glade</u> | *Plaš°a | <u>appearance/quality</u> |
| *wet:as°a | <u>to misbehave</u> , T also <u>to get drunk</u> | *gaš°(a) | <u>smooth</u> |
| | | *kaš°a | S <u>ceiling</u> |

*xaš ^o a	B <u>steppe</u>	*q ^o əš ^o a	<u>shore, bank, edge</u>
*xaš ^o a	See *Pxaš ^o a	*ñaš ^o a	<u>rubber</u>
*k ^o əš ^o a	<u>sidewall of cart</u>	*haš ^o a	<u>coat of mail</u>
*g ^o əš ^o a	S <u>glade</u>	*weš ^o a	K <u>to cover</u>
*Pxaš ^o a	<u>treebark</u>	*waš ^o a	<u>sky, heaven</u>
*q ^h əš ^o a	<u>boat</u>	*wenaš ^o a	<u>order, decree</u>
*q ^h əš ^o a	<u>trough, gutter</u>		

35. ɹ^o

*ɹ ^o e	-- B ɹ ^o e/və <u>to thaw (out), itr.</u> , cf. also T wa-ɹ ^o -bāna/wa-v-bāna <u>rainy/prolonged rain</u> (K with dissimilation also walbāna), T wa-ya-ɹ ^o a-ya <u>bad weather, rainstorm</u> (wa <u>sky, weather, ya bad</u>).
*ɹ ^o a	-- B ɹ ^o a/va <u>to plough, itr. and tr.</u>
*ɹ ^o a	-- B ɹ ^o a/va <u>to be boiled (of food), itr.</u>
*ɹ ^o a	-- S ɹ ^o a/... <u>oar</u> .
*ɹ ^o enTxa	-- T weɹ ^o entxa/... <u>to spit</u> (K weɹ ^o etxa).
*ɹ ^o əga	-- T ɹ ^o əga/... <u>mass, multitude</u> .
*ɹ ^o ewe	-- B ɹ ^o ewe/vew <u>to buzz, hum, itr.</u>
*ɹ ^o at:ə	-- B ɹ ^o at:ə/... <u>to make merry</u> .
*ɹ ^o az ^o e	-- T pa-ɹ ^o az ^o e/... <u>to drip off</u> (pa- <u>tip</u>).
*ɹ ^o ak ^h e	-- B ɹ ^o ak ^h e/... <u>red-hot coals</u> .
*ɹ ^o ax ^o a	-- T ɹ ^o āfa/... <u>oil cakes for cattle</u> .
*ɹ ^o arq ^h e	-- B ɹ ^o arq ^h e/... <u>troubled (of water), stifling</u> . Cf. *weš ^o arq ^h e.
*ɹ ^o apx̄e	-- B ga-ɹ ^o apx̄e/ga-vapx̄ <u>to pour boiling water over stg.</u>
*ɹ ^o apx̄ ^o e	-- T ɹ ^o apx̄ ^o e/... <u>girl in relation to wet-nurse</u> .
*ɹ ^o a(š)ḫ ^o e	-- T ɹ ^o aḫ ^o e-ga/vaḫ ^o <u>oversight, omission/to make an id.</u> (-ga <u>past</u> , also suffix for nomina actionis and abstracta).
*ɹ ^o aḡ ^o a	-- B ɹ ^o āḡ ^o a/vāḡ ^o a <u>star</u> .

*baɹ ^o e	(year w. good) <u>harvest</u>	*čəɹ ^o (a)	<u>to make off/to whirl, fly</u>
*čəɹ ^o e	<u>bug, T a kind of fly</u>	*Pseɹ ^o a	<u>boiling water</u>
*zaɹ ^o e	<u>narrow</u>	*laɹ ^o a	T <u>to be late, overdue</u>
*ɹ ^o az ^o e	T <u>to drip off</u>	*g ^o əɹ ^o a	<u>to be late</u>
*q ^o əɹ ^o e	<u>thick (layer, fluid), fat</u>	*ḡaɹ ^o a	<u>grain harvested</u>
*ñaɹ ^o e	<u>puppy</u>	*məɹ ^o a	<u>stone</u>

36. š^o

*š ^o e	-- B š ^o e/... <u>liver</u> .
*š ^o (a)	-- B š ^o e/ḫe <u>good</u> , B -š ^o a/-ḫa <u>good</u> , B ga-š ^o a-n/gā-ḫa <u>to pamper, spoil</u> , T also <u>to cherish (a person)</u> .
*š ^o ec(a)	-- B š ^o ēca S š ^o ēša/ḫēca <u>black</u> , B weš ^o ēce/weḫēc <u>to become black</u> .

- *š^oəš^a -- B š^oəš^a/fəš^a beneficent, benefit, good deed.
- *š^oəč^a -- T š^oəč^a/fəš^a gratitude.
- *š^oələ -- B š^oələ/... to suck.
- *š^oən^kə -- B š^oənč^a/kəf (metathesis) dark, B wəš^oənč^a/wəfən^k, wən^kəf to go out (as light), be extinguished. Cf. *kəš^oə.
- *š^oəyə -- T š^oəyə/... to squeak, cheep.
- *š^oaba -- T š^oāba/... (to do stg.) in a hurry.
- *š^oašə -- B š^oašə/fāš trust, confidence.
- *š^oala -- B š^oāla/fāla front legs of horse, cattle, K also hoof.
- *wəš^oarq^hə -- T ša-wəš^oarqə SM -xə/... to trouble, make muddy. Cf. *z^oarq^hə.
- *š^oaq^oə -- B š^oa^oə/fā^o (to turn) sour.
- *š^oaye -- B š^oaye/fay dirty.
- *š^oana -- B š^oāna/fāna hoe.

*kəš ^o ə	<u>dark(ness)</u>	*Pž ^o əš ^o a	<u>stately</u>
*qəš ^o ə	<u>sweet</u>	*g ^o əš ^o a	<u>to be glad</u>
*waš ^o ə	<u>fine weather</u>	*Pq:əš ^o a	<u>well-built</u>
*naš ^o ə	<u>benevolent</u>	*g ^o aš ^o (a)	<u>easy</u>
*Pš ^h aš ^o (a)	<u>cook, to cook</u>	*maš ^o a	<u>fire</u>

37. č^h

- *č^hə -- B š^hə-/šə- salt, cf. *č^həğ^oə, *č^həwə, poss. also *č^həPse.
- *č^h'(a) -- B š^hə-/šə to milk, tr., B š^ha/ša milk.
- *č^h'(a) -- B š^h'(a)/š(a) to take, bring, lead, drive out of (resp. into), tr.
- *č^h'(a) -- B ša-š^hə/ša-š to bend, T to twist (rope), B ya-š^ha-č^hə/ya-ša-k to wind stg. around stg. (*ya-...-k around) (cf. also *č^həña), B -š^ha/-ša crooked, cf. *q^oəč^ha, *nač^ha, etc.
- *č^ha -- B š^ha/ša arrow, bullet.
- *č^hədə -- B š^hədə/šəd donkey.
- *č^həta -- T š^həta/šəta to massage, T also to squeeze, squash.
- *č^həPse -- B š^həpse/šəps Circassian national sauce (cf. also š^həbž^həyə/šəbžəy pepper).
- *č^həPza -- B š^həbza/šəbza sieve.
- *č^həla -- B š^həla/šəla raw silk (Tu çile yarn, (silk) thread).
- *č^həla -- B š^həla/šəla middle (of summer, winter). Cf? *č^həga.
- *č^həğ^oə -- B š^həğ^oa/šəğ^o salt.
- *č^həñ(a) -- B š^həña/ya-šəñ to provoke sb.
- *č^həña -- T š^həña/šəña to roll, wind, wrap, B k^oačə-š^həñā-n to wrap up (k^oačə- inside).
- *č^həwə -- B š^həwə/šəw to salt, tr.
- *č^həne -- B š^həne/šən pus, abscess, boil.

- *čh'ena -- B šh'ena/šena to be afraid.
 *čh'ere -- B šh'ere/šer young of animal, cub, fledgeling.
 *čh'at^ha -- B šh'at^ha/šata film on milk/cream.
 *čh'apza -- B šh'abza/šabza bow and arrow.
 *čh'ak^he -- B šh'ach^he/šak to bear, put up with. Cf. *čh'(a)da.
 *čh'ak^he -- B šh'ach^he/šak suspicion, doubt. (Tu sek doubt, but cf. also next item).
 *čh'ak^h(a) -- B šh'ach^he, šh'ach^ha/šak, šaka to weigh, (in)tr.
 *čh'aga -- T š'až'a-ğ^oa/šagā-ğ^oa noon, dinner-time (ğ^oa time). Cf. *čh'ela.
 *čh'(a)da -- B šh'ā'a/še'a to put up with, withstand (a burden). Cf. *čh'a-k^he. T š'araš
 *čh'arxe -- B šh'arxe/šarx wheel (Tu çark, Pers. çarx).
 *čh'apxe -- B šh'apxe/šapx small shot.
 *čh'(a)ye -- T š'aye/šey to stick out (one's arm, finger).

*p ^h ach ^h e	<u>room</u>	*p ^h ach ^h a	<u>leader</u>
*bač ^h e	<u>stick</u>	*lač ^h a	<u>lame, K also w. crooked legs</u>
*zač ^h e	<u>to be bored, tired</u>	*xač ^h a	<u>spy, scout/informer</u>
*ga ^(r/n) č ^h e	<u>bean, pea</u>	*txəč ^h a	<u>hunchbacked</u>
*k ^h oach ^h e	B <u>to migrate (of nomads)</u>	*g ^o ach ^h (a)	<u>to distribute, divide</u>
*x ^o ach ^h e	<u>cramp, convulsion</u>	*q ^o a(n)č ^h a	<u>crooked; unjust</u>
*ğach ^h e	<u>milk, milk products</u>	*đ ^o əč ^h a	<u>w. crooked mouth/crooked, bent</u>
*ğ ^o ach ^h e	T <u>to lead sb. to meet sb.</u>	*x ^o əč ^h a	<u>mass, multitude, K also herd</u>
*weč ^h e	<u>to wake up</u>	*nač ^h a	<u>squint-eyed</u>
*mač ^h e	<u>millet (on the field)</u>		
*neč ^h e	<u>animal killed in honor of guest</u>		

38. Pčh'

- *Pčh'a -- B pšh'a/pša cloud(s).
 *Pčh'en(a) -- T pš'en(a)/pšen to compensate, pay a debt, (in)tr., K pšenā-k^oa debtor (k^oa to go, also forms nomina agentis).
 *Pčh'ena -- B pšh'ena/pšena accordion, B šh-č'a-pšh'ena/šekapšena native violin, lit. horse-tail violin.
 *Pčh'ap^ha -- B pšh'ap^ha/pšāpa dusk (T irregularly pčāpa).
 *Pčh'ap^hə -- B pšh'ap^hə/pšap^h twilight.
 *Pčh'ag^oa -- B pšh'ag^oa/pšāğ^oa mist, haze.
 *Pčh'are -- B pšh'are/pšar fatty layer, fat (as noun and adj.).

39. č:'

- *č:ela -- B č:ela/žela seed(s), stone (of fruit).
 *č:ela -- B č:ela/žela (population of) village, aul. Prob. = preceding.

- *č: 'əž' a -- B č: 'əž' a/žəža far.
 *č: 'aš: 'ə -- B č: 'aš: 'ə/žaš night, cf? B nə-č: 'a-p:a/nə-ža-ba last night,
tonight, where the elements *nə-...-p:a, recurring in B n-ya-
 p:a/n-aw-ba today (cf? *wa sky with dissimilation in W.Circ.?),
 etc., are unclear.
 *č: 'ame -- B č: 'ame/žam cow.
 *č: 'ane -- B č: 'ane/žan sharp, energetic, lively; pen-knife, T also razor.
 (Cf? Georg. žani health, strength, from Pers. žan soul).

40. Pč: 'ə

- *Pč: 'ə -- B pč: 'ə/bžə pike, lance, spear, T pag^oa-pč'ə fish-spear. Cf.
 *Pč: 'ağ^oə and possibly B pč: 'əč' a lightning.
 *Pč: 'a -- B pč: 'a/... waist (T pč' ana).
 *Pč: 'ag^oə -- B pč: 'ag^oə/... middle, center, circle. Cf. *g^oəPč: 'a.
 *Pč: 'ağ^oə -- B pč: 'ağ^oə/bžag^o stake, pole.
 *Pč: 'aye -- B pč: 'aye/bžay plane tree.
 *Pč: 'ane -- B pč: 'ane/bžan she-goat.

- *g^oaPč: 'a brownish *g^oəPč: 'a B middle, center, circle

41. ž'ə

- *ž'ə -- T šhā-ž'/šhā-ž everyone (šhā head).
 *ž'ələ -- T ž'ələ/žel- twelve-year animal cycle (Tu yıl, Kar žil year).
 *ž'a(r)zə -- T ž'arze/žaz bronze/brass, B ž'ažə bronze w. assimilation.
 (Nogay yez, ultimately from Mongolian zes copper).
 *ž'ala -- T ž'āla/žāl withers (of horse).
 *ž'axa -- T ž'axā-š^oa/žaxā-fa (surface *š^oa of) floor in house. Cf? T
 ž'aneq^oa place before the hearth.
 *ž'ağ^o(a) -- B ž'āğ^oa/žāğ^oa odious, unpleasant, T also enemy, B wəž'ağ^oə/
 wəžāğ^oa to get fed up with sb., tr. Cf? K yež evil design,
envy, yeža to envy, itr.

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|------------------------|----------------------------------|----------|-----------------------------------|
| *laməž'ə | <u>bridge</u> | *baž'a | <u>fox</u> |
| *k ^h anž'ə | <u>shallow</u> | *q:anž'a | <u>magpie</u> |
| *pxanž'ə | <u>distorted, crooked, wrong</u> | *q:əaž'a | <u>village, aul</u> |
| *pğ ^o ənž'ə | <u>inclined, bent, crooked</u> | *ñaž'(a) | <u>to grind</u> |
| *pğ ^o až'ə | <u>steppe</u> | *marž'a | (interjection) <u>"let's go!"</u> |
| *be(n)ž'(a) | <u>navel</u> | | <u>/call (to a group)</u> |

42. Pž'ə

- *(P)ž'aməšxə -- T ž'aməšxə/bžaməšx spoon. Cf. *šx(a) to eat; -mə- poss. syl-
 labified connective (cf. *laməž'ə).

*g°ePj°e Tuesday

43. č'

- *č'ē -- B č'ē/šē-māx°a winter (māx°a day).
 *č'a -- B č'a/ša new, young, fresh.
 *č'a -- T š'ē-č'a/šē-ša to be in need, to be wanting (*š'h'ē- general deixis).
 *č'a -- B °ē-č'a/°ē-ša to meet, itr. (°ē- approaching, close).
 *č'ēbe -- B č'ēbe/šēb back, rear.
 *č'etḥa -- B č'etḥa/šēta to soak, itr. Cf? *Tḥač'(a).
 *č'eš°a -- B č'eš°a/šēfa human skin; body.
 *č'ēke -- T pe-č'ēč'ē/pe-šēk to break off, T itr. K tr. (pe- tip).
 *č'ex°e -- B č'ēfē/šēx° pale/bluish, birch-color.
 *č'ēq°e -- B č'ē°e/šē° button(s), fastening, T also č'ē°e w. dissim.
 *č'ēq°e -- B č'ē°e/šē° upper part, top side.
 *č'ēḥ(a) -- T č'ēḥa-k°ēḥa/šēḥ esteem, honor, authority.
 *č'apḥe -- B č'apḥe/šap hemp.
 *č'apa -- T la-č'apa/la-n-kāpa calf of leg/shin (la leg).
 *č'atḥe -- B č'atḥe/šat saucer, "podstavka". Cf. next item.
 *č'aža -- B č'aža/šaža lining, "vsjakaja podkladka". The lack of ā in K points to ša- under.
 *č'asa -- B č'asa/šasa beloved, lover.
 *č'aPza -- B č'abza/šabza lining. See comment under *č'aža.
 *č'ač'(a) -- T č'ač'ē/šaš(a) watch- or sleeping-tower in forest or field. See comment under *č'aža.
 *č'ala -- B č'ala/šala youth, young man, boy.
 *č'ak°a -- B č'ak°a/šak°a felt cloak, "burka".
 *č'aqḥ°a -- T č'aq°a/šaq°a bread.

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|------------|---------------------------------|----------------|---|
| *tač'ē | <u>to undress, tr.</u> | *zanč'a | <u>straight</u> |
| *š°e(n)č'ē | <u>to pluck (bird), tear up</u> | *š°ēč'a | <u>gratitude</u> |
| *lač'ē | <u>to rub off, clean</u> | *č'ač'(a) | <u>watch- or sleeping-tower</u> |
| *kač'ē | <u>short (T of time only)</u> | *wePḷa(n)č'(a) | <u>to fold in four</u> |
| *gēč'ē | <u>to wash (laundry)</u> | *x°ēč'(a) | <u>to wash the head</u> |
| *kḥ°ač'ē | <u>lap (portion of body)</u> | *q°e(n)č'(a) | <u>to push, shove</u> |
| *Tq°ač'ē | <u>twenty</u> | *Pq°ač'(a) | <u>flattened, thin (also of fluids)</u> |
| *nač'ē | <u>empty</u> | *Pq°ač'a | <u>to stir, K also to hurry</u> |
| *pḥač'a | <u>mustache</u> | *Tq°ač'a T Š | <u>valley between mountains</u> |
| *peč'a | <u>to freeze, feel cold</u> | *x°e(n)č'a | <u>to rob, T also raid</u> |
| *Psenc'a | <u>light, swift</u> | | |

*Tṣʰə(n)čʰa to scrape, plane

*ḡʰəčʰa to dry out

*ṇačʰa guest

*Tṇačʰ(a) to wash

*mačʰa (a) little, few

*načʰa to chaff, tease, mock

44. Pčʰ

*Pčʰ(a) -- B pčʰa/pṣə to weed, tr., K also to clean rough wool, B pčʰa/pṣa to weed, itr.

*Pčʰ(a) -- T pə-pčʰa/pə-pṣa to stick to, itr. (pə- tip; also w. other local prefixes), T ḡa-pčʰə/ḡa-pṣ to glue, stick on, tr.

*Pčʰa -- B pčʰa/pṣa price, importance, K also honor.

*Pčʰəṇ(a) -- T pčʰəṇāpa/pṣəṇ, pṣəṇāpa dream. Relation to B pčʰəṇa T pčʰəṇa K pṣəṇa-ṣṇa evening uncertain; the correspondence B pčʰ:/pṣ is irregular.

*wəPčʰatʰa -- T wəpčʰata/wəpṣata to cut (e.g. meat), to shred.

*Pčʰanta -- B pčʰanta/pṣanta to sweat.

*Pčʰaṣa -- B pčʰaṣa/pṣaṣa leaf, foliage.

*Pčʰawe -- B pčʰawe/pṣaw to yelp. Cf. *Pčawe.

*wə(P)kaPčʰə to husk, peel, clean

*wəTxePčʰə to shake out (as rug)

*qʰəPčʰ(a) articulate, clear, distinct

*pʰaPčʰa because of

*wə(P)kaPčʰa to be buttoned, fastened

*kʰəPčʰ(a) core, centre, kernel

*ḡəPčʰa B having a good memory

*qʰəPčʰa piece, portion, (*Txe-) vertebra

*wəPčʰa felt

*wəPčʰ(a) to mow off, cut off

45. šʰ

*šʰə -- B šʰə/ṣə to shear (sheep), tr.

*šʰəpʰa -- B šʰəpʰa/ṣəpa first/for the first time.

*šʰəke -- B šʰəčʰə-n/ṣək to give oneself airs, K also to be surfeited (*šʰə- poss. separable prefix, cf. T ṣʰa-m yə-čʰə-ḡ he gave himself airs, lit. came out of his skin).

*šʰəḡ(a) -- B šʰəḡə/ṣəḡa beads.

*šʰatʰa -- B šʰatʰa/ṣata to sigh.

*šʰaḡʰə -- B šʰaḡʰə/ṣaḡʰ to moan.

*kešʰə smithy

*wašʰə axe

*ṣṇašʰa bow, greeting

46. Pšʰ

*Pšʰa -- B pšʰa-rā-ṇə T pšʰa-rə-ṇa/pṣāfa, pṣaf young man serving elder; cook/to cook, itr., cook; to cook, tr. (For -rā- see under *ḡʰə;

the identity of the other segments is not certain).

47. š:'

- *š: 'ə -- B -š: 'ə/-ʃə lodging with roof (for guests, animals). Cf.
*k: 'əš: 'ə.
*š: '(a) -- B š: '(a)/ʃ(a) three (times).
*š: 'a -- B š: 'a/ʃa to sell, tr.
*š: 'əš: 'ə -- B š: 'əš: 'ə/ʃəʃ to neigh.
*š: 'ax°(a) -- B š: 'afa, q: a-š: 'afe/šāx°a, qa-šax° to buy, itr. and tr.
(*q: a- hither).

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|-------------|--------------------------|-----------|---|
| *t: əš: 'ə | <u>relatives of wife</u> | *qāš: 'ə | <u>cattle-enclosure/cattle</u> |
| *č: 'aš: 'ə | <u>night</u> | *g°əš: 'a | <u>pityful, alas!</u> |
| *š: 'əš: 'ə | <u>to neigh</u> | *g°aš: 'a | <u>princess, husband's mother, T also wife, K also doll</u> |
| *k: 'əš: 'ə | <u>shelter for cart</u> | *g°aš: 'a | <u>to lose one's way</u> |

48. Pš:'

- *Pš: 'ə -- B pš: 'ə/pʃə feudal prince.
*Pš: 'ə -- B pš: 'ə/pʃə to measure (dry substances), to fill (a sack, the traditional measure of dry substances). Cf. *Pš: 'ala.
*Pš: 'ə -- B pš: 'ə/pʃə to swell up.
*Pš: 'ə -- B č' a-ğa-pš: 'ə/ʃa-ğa-pʃ to winnow (*č' a- down, under).
*Pš: 'a -- B ya-pš: 'a/ya-pʃa to blow at stg., itr.
*Pš: 'ələ -- B pš: 'ələ/pʃələ serf, slave.
*Pš: 'eq: °a -- B pš: 'eq: °a/pʃeq°a husband's brother.
*Pš: 'eq°a -- B pš: 'ā°a/pʃeq°a temporary lodging of wattle.
*Pš: 'əPš°e -- T pš' epš°e/pʃepš° husband's sister.
*Pš: 'ala -- B pš: 'āla/pʃāla container used for measuring dry substances.

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|-------------|-----------------------------|-------------|---------------------------------|
| *Tq°əPš: 'ə | <u>to release, set free</u> | *ṇaPš: 'a B | <u>to pant, breathe heavily</u> |
|-------------|-----------------------------|-------------|---------------------------------|

49. ž'

- *ž' ə -- B ž' ə/ʒə air, wind.
*ž' ə -- B ž' ə/ʒə-wa early (-wa modal case), T ḡa-ž' ə to quicken, hasten.
*ž' ə -- B ž' ə/ʒə to comb (hair), tr. Cf. *maž' a.
*ž' ə -- B -ž' ə/-ʒə suffix -colored, cf. *Pləž' ə, etc.
*ž' (a) -- B ž' ā-bḡ°a/yə-ʒ right side (bḡ°a side, yə- prob. 3rd pers. sg. possessive); T has irregularly ʒ' ābḡ°a.
*ž' a -- B ya-ž' a/ya-ʒa to go, leave, itr.

- *ž'a -- B f-ya-ž'a/x^o-ay-ža to begin, undertake, itr. (*x^o- for, to).
Prob. identical w. preceding item.
- *ž'ex^oe -- B ž'efe/žex^o fan.
- *ž'eŕga -- B ž'ebga/žebga wind.
- *ž'aw(a) -- T ž'awe/žawa shadow, shade, K also parasol, umbrella.

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|----------------------|------------------------------------|----------|--|
| *P ^h əž'e | <u>red</u> | | <u>fault, to wear out (of clothes)</u> |
| *(P)kəž'e | <u>to fade (of fabrics)</u> | | |
| *x ^o əž'e | <u>white</u> | *nəž'a | <u>to yearn, pine</u> |
| *g ^o až'e | <u>yellow</u> | *yaž'a | <u>ashes</u> |
| *č:əž'a | <u>far</u> | *wež'(a) | <u>weasel</u> |
| *laž'(a) | <u>to work (at), work, misery,</u> | *maž'a | <u>comb</u> |

50. Pž'

- *Pž'e -- B bž'e/bže yoke.
- *Pž'a -- B bž'a/bža bee.
- *Pž'eš^oa -- B bž'eš^oa/bžefa stately.
- *Pž'ePž'(a) -- T q-ya-bž'ebž'a/bžebž to burn, smart (q- hither).
- *Pž'eğa -- B bž'eğa/bžeğa grease-stain on clothing.
- *Pž'ene -- B bž'ene/bžen onion.
- *Pž'aš^oca -- T bž'aš^oa/bžāp'ca drone.
- *Pž'aq^oa -- B bž'aq^oa/bžāq^oa bee-garden, apiary.

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|-------------|---------------------------|-----------|---------------------------|
| *nəPž'e | <u>age, K also shadow</u> | *čəPž'a | <u>bumblebee</u> |
| *Pž'ePž'(a) | <u>to burn, smart</u> | *ləPž'(a) | <u>to fry/a meat-dish</u> |

51. č^h

- *č^he -- B š^he/še sibling, brother.
- *č^he -- B š^he/še horse.
- *č^ha -- B š^ha-/ša- beeswax, cf. *č^hak^ho'a, *č^hax^oe; cf? also K maze-š wood-pitch, resin (maz wood, forest).
- *č^həPsa -- B š^həpsa/šəpsa fairy-tale. The word exhibits metathesis, cf. B pš^hasa-ž id. (ž old), T pšesa (SM šəpsa). K also pšesa. Cf. further B g^oe-pš^hesa/g^oəpsesa to think where K again has dentals. The original form can alternatively be *Pč^hesa, with a unique segment *Pč^he. A remote connection with *wese compose (song), write (story) is possible.
- *č^həPze -- B š^həbze/šəbz mare.
- *č^həx^oe -- B š^həx^oe/šəx^o gelding.
- *č^həPx^oe -- B š^həpx^oe/šəpx^o sister.
- *č^həwe -- B š^həwe/šəw horseman.
- *č^hase -- B š^hase/šas surety, pledge.

- *č^hase -- B š^hase/šas to mount a horse.
 *č^hak^h°a -- B š^hāk^h°a/šāk°a honeycomb.
 *č^hax°e -- B š^hafe/šax° refined beeswax.
 *č^h(a)χ°a -- B š^hāχ°a/šēχ°a herdsman of horses.
 *č^hawa -- T šāwa/šāwa horse-driver, teamster.

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|---------------------------|----------------------------------|-----------------------------------|-------------------------------|
| *q:°ač ^h e | brother, B also <u>relatives</u> | *P ^h āč ^h a | <u>rough, tough, spirited</u> |
| *(P)la(n)č ^h a | <u>maple</u> | *P ^h āč ^h a | <u>brittle, fragile</u> |

52. Pč^h

- *Pč^haχ°a -- B pš^hāχ°a/pšāχ°a sand.

53. č:

- *č:ē -- B č:ē/žē to congeal, harden (as butter, wax, cement), itr.
 *č:(a) -- B č:ē/žē to run (a distance), tr., (w. local prefixes:) to run, flow out, itr., B č:a/žā to run, flow (into), itr., T ġa-čē/ ġa-ž to cast, found. Cf. also *ġač:ē.
 *č:ēġe -- B č:ēġe/žēġ tree.
 *č:eya -- B č:eya/žay to sleep.
 *č:ere -- T čer/žer steel (T also irregularly šer).
 *č:aPza -- T čābza/žābza to become transparent by settling (of fluid).
 *č:aPxe -- T čapxe/žapx to dry up, dry out, itr.
 *č:aχ°e -- T čaχ°e/... to run the wrong way. Cf. *č:(a).
 *č:aġ°a -- T čāġ°a/... to become transparent by settling (of fluid). Cf. *č:aPza.

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|--------|--------------------------|--------|------------------|
| *ġač:ē | <u>to cut, carve out</u> | *hač:a | <u>male goat</u> |
|--------|--------------------------|--------|------------------|

54. Pč:

- *Pč:(a) -- B pč:(a)/bž(a) to count, (in)tr.
 *Pč:(a) -- B pč:ē/... to bewail, tr., B pč:a/bža to lament, keen, itr.
 *Pč:(a) -- B pč:a/bža door.
 *Pč:(a)ġa -- B pč:āġa/bžēġa number, quantity.

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|-----------------------|--|----------|----------------------|
| *p ^h aPč:ē | <u>every time/equal, equivalent</u> | *ġ°ePč:a | <u>sickle</u> |
| *q ^h aPč:a | B <u>trail in forest; T (pa-) far, separated</u> | *ġ°ePč:a | <u>window (šha-)</u> |

55. ċ

- *ċe -- B ċe/še earth, land, ground.
 *ċa -- B ċa/ša bottom (of vessels).
 *ċeŋe -- B ċeŋe/šet ditch.
 *ċe(n)da -- T ċenda/šeda peanut.
 *ċePċa -- T ċepċa/šepċa chernozem/rich soil.
 *ċePž'a -- T ċebž'a/šebža bumblebee.
 *ċeš:e -- B ċeš:e/šes surveyor.
 *ċeŋa -- B ċeŋa/šeŋa (dry) land, ground.
 *ċePŋe -- T ċepŋe/... beet.
 *ċeg°e -- B ċeg°e/šeg° surface of the earth, territory.
 *ċex°a -- B ċefa/šex°a debt, loan.
 *ċeqa -- B T ċe'a Š ċe'a cold (noun), cold weather. For the deglottalization in W.Circ. cf. *ċeq°e.
 *ċeqh°a -- B ċeqh°a/... badger, lit. earth-pig.
 *ċ(a)Pq°a -- B ċepa, ċāpa Š ċep°a/šepa land, terrain, district, parcel.
 *ċaPċa -- T ċāpċa/... dark, dark grey, dark blue.

*g°eċe	<u>iron</u>	*Pxaċa	B <u>bottom</u>
*weċe	<u>open place at river-bank/to gape, open wide (mouth, hand)</u>	*q:°anċa	<u>jackdaw/rook</u>
*ŋaċa	<u>foundation, bottom</u>	*q°eċ(a)	<u>to cut, hew, trim</u>
*ŋaċa	<u>possessions, inventory of house</u>	*meċa	<u>precious stone (in ring)</u>
		*naċa	<u>hollow under eyes</u>

56. Pċ

- *Pċe -- B pċe/qā-pš to swarm (of bees), itr. (qā- hither).

- *wePċ(a) to ask

57. šh

- *šhəpha -- B šhəpha, q:a-šhəpha/šepa, qā-šep to collect, pick up one by one, (in)tr., K also to peck (*q:a- hither); K xa-šepə-k to choose, pick out (xa- mass, group, -k out of).
 *šhəPla -- B šhəbla/šəbla thunder/lightning (originally name of the god of thunderstorms).
 *šhəg°e -- B šhəg°e/šəg° mountain top, top part/plateau, surface.
 *šhətha -- B šhātha/... to try out, check.
 *šha(n)gə -- B šha(n)ž'e/šag stack, rick (round, cf. *ha(n)ž°a).
 *šhake -- B šhač'e/šak cloth, textile.

*š^haṛṣa -- B š^hāṛṣa/ṣāṛṣa measure, size, example. Cf. *š^hat^ha; note the formal-semantic similarity to *š:e.

58. š:

- *š:e -- B š:e/ṣe to measure (space), tr.
 *š:(a) -- B š:a/ḡa-ṣ to ripen, to become soft (as cheese)/to cause to id.
 *š:a -- B š:a/ṣa raw internal fat.
 *š:a -- B ya-š:a/ya-ṣa to be after stg., hunt, fish.
 *š:eq:°e -- B š:eq:°e/ḡaḡ°-ṣeq° vessels, plates and dishes (no separate meaning for ḡaḡ°, which can also be added in W. Circ.: B ḡaḡ:°-, T ḡaḡ°-).
 *š:ena -- B š:ena/... moist.
 *š:aš:a -- B t^hya-ḡa-š:aš:a-n/... to pour (dry substances) onto t^hya- stg. with a rustling sound.
 *š:ak°a -- B š:āk°a/ṣāk°a hunter; to hunt, itr.
 *š:ane -- B š:ane/ṣan character/manners (cf? Tu ṣān glory, honor).

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|------------|--|------------------------|---|
| *čēš:e | <u>surveyor</u> | *š:aš:a | <u>to make a rustling sound</u> |
| *laš:e | <u>strong</u> | *k ^h aš:a B | <u>tussock, clump; to put out side-shoots</u> |
| *q°eš:e | <u>smart, intelligent</u> | *qāš:a | <u>tool, weapon</u> |
| *(P)ḡ°eš:e | See (P)ḡ°e(P)š:e | *maš:a | <u>hole, hollow</u> |
| *ṣ°aš:(a) | <u>outfit, costume; be fitting;</u>
K also <u>to adorn, equip (ḡa-)</u> | *naš:a | <u>melon/cucumber</u> |

59. Pš:

- *Pš:(a) -- B pš:a T pše/pṣe to creep, itr.
 *Pš:(a) -- B pš:a/pṣe to knead, tr., cf? also K xa-pṣa-n to put into (a mass xa-).
 *Pš:at^ha -- T pšāta/pṣāta tanning solution, T also to be tanned. The reconstruction *Pš: is based on the absence of examples of *Pš^h and is therefore not absolutely certain.

- *(P)ḡ°e(P)š:e millet-straw *ḡ°ePš:a to be forgotten

60. ž

- *ž(a) -- B že/qā-ž to vomit (qā- hither), T q°ā-ža to vomit in a corner q°a-.
 *ža -- B ža/za mouth, jaws, lower jaw.
 *ža -- B la-g°ā-n-ža/la-g°ā-za knee (B ž automatic after n): la leg, g°a uncertain. Cf? *žapq:e chin, steep hill. In view of *ža referring to the lower jaw, the homonymy of IE *g'enu- (n.) knee and *g'enu- (f.) chin is worthy of note.

- *ža -- B ža/ʔaža sleigh, sledge, T also ʔāža children's sled.
 *ža -- B ya-ža/ya-ža to wait, expect, itr.
 *žanta -- T žānta/žānta place of honor (away from door, near hearth).
 *žala -- T žāla/... gills of fish.
 *žaka -- B žāč'a/žāka beard.
 *žapq:ə -- B žapq:ə/žapq chin, B also steep hill.
 *ža(r)χ°ə -- T žaχ°ə/žaχ°, žareχ° chatterbox/coarse; boor.
 *žağ°ə -- T žağ°ə/žağ° chin/base of lower jaw.
 *žağ°ə -- T žağ°ə/žağ° foot of mountain.

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|-------|---------------------|-------|---------------------------------|
| *weže | <u>tracks</u> | *qāža | T <u>to hold back, restrain</u> |
| *qāža | <u>sleigh, sled</u> | | |

61. Pž

- *Pže -- B bže/... vine, liana. Cf. *Pžala
 *Pža -- B bža/bža span (measure), also B bžeyz/bžeyz, K ʔadaqā-bža (ʔadaqā top of hand-palm).
 *Pžebe -- T bžebe/ʔa-bžeb cupped hand, handful (ʔa hand), K also ʔa-bžeg°.
 *Pžeža -- B bžeža/bžeža flea.
 *Pžeña -- B bžeña/bžeña autumn, Š winter.
 *Pžeme -- T bžeme/... fist.
 *Pžala -- B bžāla/... liana.
 *Pžama -- T bžāma/... bunch (prob. handful) of hemp for spinning.

- | | | | |
|---------|---|---------|---|
| *š°aPže | <u>blow, stroke/maiming, mutilation</u> | | <u>portant</u> |
| *g°əPže | <u>(to be) angry</u> | *k°əPža | <u>ring of twigs for tying stakes of wattle</u> |
| *x°aPža | <u>strongly/quick, strong, im-</u> | | |

62. λ

- *λə -- B λə/λə blood.
 *λ(a) -- B λə/λə to lie, be in lying position (only w. local prefixes), K pe-λ to hang (pe- tip), T ze-š'-ya-λa he puts it on (clothing) (ze- oneself, š'- location), T pe-λa to hang.
 *λ(a) -- B λə/λə to whet, sharpen, T pe-λa to sharpen (e.g. the point of a needle), K λa-ps water pse used in tempering metals, sharpening scythes.
 *λ(a) -- B λə/λə to fall upon, jump upon, itr., B λa/λa to jump.
 *λa -- B λa/λa foot, leg.
 *λa -- B -λa/-λa vessel, container; surface (of the earth), K λa place, a form without a in *Txəλə.
 *λet^ha -- B λet^ha/λeta to count, to consider, tr.

- *ləPca -- .../ləpca clot of blood.
- *ləntx^oa -- B ləntfa/ləntx^oa artery. < *lə-n-x^oa lit. blood-sinew.
- *ləx^o(a) -- B ləx^o(a)/ləx^o(a) to look for, (in)tr. In part of the forms lə- is treated as the separable prefix after.
- *wələye -- T wələye/wələy to rust.
- *ləna -- T ləna/ləna birds' fat.
- *ləre -- T ʃ^oa-ləre/fa-lər strip of skin, T also belt (*ʃ^oa skin).
- *ləbe -- B labe/... butt of rifle, T also heel.
- *ləmbə -- .../ləmb footprint.
- *ləp^q^oa -- B lāp^a ʃ lāp^q^oa/lāp^a dear, expensive, precious.
- *lət^h(a) -- B lāt^ha/lāta to bounce, jump/to fly, B zə-ʃ^h'e-late/ʃe-lat to jump up (zə- oneself, *ʃ^h'e- location), T xa-late to fall, jump out of (a mass xa-).
- *lət^ha -- B lāt^ha/lāta rennet (used to curdle milk), K also stomach.
- *ləda -- B xa-lāda/xa-lāda to run, rush into (a mass xa-).
- *ləpca -- B lāpca ʃ lāpca/lāpca barefoot, K also lāmca.
- *ləse -- B lase/las on foot, unmounted.
- *las(a) -- B lase/las to wash, rinse, to card (flax), tr., K lāsa id. itr.
- *ləpse -- T lapse/laps leather strap for tying up shoes, shoelace.
- *ləpsa -- T lāpsa/lāpsa root, foundation, reason/homeland.
- *ləpza -- .../lābza mark on feet of domestic birds.
- *ləpse -- T lapse/laps god of the smiths.
- *ləpša -- B lāpša/lāpša ankle.
- *ləpza -- B lābza/lābza hoof, claw/root, foundation.
- *laš^o(a) -- B laš^oe/laf to pull, drag, T tya-lāš^oa/tay-lāfa to pull stg. on or over *t^hya- stg.
- *laš^oa -- B lāš^oa/lāfa harrow. Prob. identical w. preceding.
- *laš^oa -- T lāz^oa/... to be late, overdue. Cf. *g^oez^oa.
- *laš^h'a -- B lāš^h'a/lāša lame, K also with crooked legs.
- *ləmeʒ'e -- T ləmeʒ'e/ləmež bridge. With *lə foot, *-ʒ'e uncertain, -mə- may either be the negative morpheme or a syllabified connective.
- *laš'e -- B lač'e/laš to rub off, clean.
- *laša -- B lāča/lāša foundation, bottom.
- *laša -- T lāča/lāša property, possessions, inventory of house.
- *laš:e -- B laš:e/laš strong.
- *ləλ(a) -- B lāla/lāla to fall apart, B za-pq:e-rə-lalə/zapqərəlal id. (*za-pq:e-rə- structured whole), K xa-ğa-lāla, -lal to strew, pour into, resp. out of (a mass xa-).
- *lək^he -- .../lək strong, firm, staunch (of person), ?ak-lak thickset, strong (containing ?a arm, la leg and an unclear element).
- *ləga -- .../lāga short, low (of vegetation).
- *ləke -- T lač'e/la-k force; to be able to/to be able to (K la- prefix, cf. la-mə-k to be unable to).
- *ləxa -- .../lāxa domicile, district.

- *laġa -- B lāġa/lāġa high.
 *lak°a -- T lāk°a/lāg°a low (esp. of vegetation), K also short-legged.
 *lag°e -- B lag°e/lag° footsole, floor, valley, T wē-lag°e to trample.
 *lak°a -- T lāk°a/lāk°a grinder, sharpener of tools.
 *lax°e -- .../lax° feather-grass.
 *laPq°e -- B lapq°e/lapq° clan, tribe, kind, sort.
 *laġa -- B lāġa/lāġa hobble; to hobble, S pse-lāġa whirlpool (pse water).
 *laq°a -- B lāq°a/lāq°a leg.
 *laq°(a) -- B lāq°a, ya-laq°e/lāq°a, ya-laq° to request, B K lāq°a request.
 *laġ°e -- B laġ°e/lāġ° fetters.
 *laġ°e -- T laġ°e/lāġ° trot.
 *lantġ°(a) -- T lantġ°e/pġa-lāntġ°a loose filaments/pole with branches for hanging up utensils, T lantġ°a-yē/lantġ°-ēy combings, flocks/branch of creeping or winding plant (pġa wood, -yē formative).
 *laġ°(a) -- B laġ°e/lāġ° to see, T ġa-laġ°a-n/ġa-lāġ°a to show.
 *laġ°a -- B lāġ°a/lāġ°a path, track, trail.
 *laġa -- S lāġa/... rivulet.
 *laya -- B lāya/lāy woollen gaiters.
 *laya -- T lāya/lāy to move in jumps (e.g. gallop), T ġa-lāya to lift up, B lāya to go to roost.
 *lawā -- B lāwa/lāwa scalpel for blood-letting.
 *lana -- T tġa-lāna/tġa-lāna oath (tġa god).

* <u>bēle</u>	T <u>to be hidden</u>	* <u>š°ala</u>	<u>vessel, cup</u>
* <u>tēle</u>	<u>to lie down</u>	* <u>š°ala</u>	<u>front legs of horse, cattle, K also hoof</u>
* <u>š°ele</u>	B <u>to suck</u>	* <u>čēla</u>	<u>(dry) land, ground</u>
* <u>txēle</u>	<u>letter (epistle), book</u>	* <u>Pš°ala</u>	<u>container for measuring dry substances</u>
* <u>g°ele</u>	B <u>a marsh plant</u> , T <u>a kind of grass, tuft of maize</u>	* <u>laλ(a)</u>	<u>to fall apart</u>
* <u>q°ele</u>	K (bot.) <u>vjazel' pēstryj</u>	* <u>šxala</u>	<u>manger</u>
* <u>ġ°ale</u>	<u>to lie down</u>	* <u>Pġēla</u>	<u>mountainous</u>
* <u>p^hala</u>	<u>as if, standing for</u>	* <u>x°ela</u>	K <u>crop of bird</u>
* <u>lq°ala</u>	<u>time, term, K also habit</u>	* <u>qala</u>	<u>gloves, mitts</u>
* <u>t:ala</u>	<u>to splash; shake (fist), rattle (sabre) (ġa-)</u>	* <u>q(a)nla</u>	<u>trough</u>
* <u>ca(n)la</u>	<u>to slip</u>	* <u>q°ala</u>	<u>to be turbulent/to boil</u>
* <u>psela</u>	<u>flask, K also marshy land</u>	* <u>tx°ela</u>	<u>butter-dish</u>
* <u>psala</u>	<u>word, speech</u>	* <u>h(a)la</u>	<u>burden, heavy, difficult</u>
* <u>zala</u>	<u>to get wrinkled (skin), K also to wither</u>	* <u>wala</u>	B <u>to totter</u> , T <u>to undulate</u>
* <u>Pzala</u>	T <u>round basket used as form for cheese</u>	* <u>nala</u>	<u>single hair/fibre, filament</u>

63. Pλ

- *Pλe -- B pλe/pλe to blaze, get hot, itr.
 Pλe -- B pλe-ž'ə/pλe-ž red (-ž'ə -colored).
 *Pλ(a) -- B pλa, ya-pλe/pλa, ya-pλ to look, resp. to look at, itr.
 *Pλeže -- T pλeže/pλež to stare rigidly (of person lost in thought).
 *Pλeš°a -- B pλeš°a/pλešfa appearance/quality.
 *Pλež'ə -- B pλež'ə/pλež red.
 *Pλeq:°a -- T pλeq°a ŠM pλeq°a/... to cool off.
 *wəPλak°e -- T wəpλak°e/... to check up on, tr.
 *Pλaχ°e -- T ġa-pλaχ°e/... to mislead sb., give wrong information.

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|------------------------|--------------------------|-------------|----------------------------------|
| *p ^h aPλe | <u>red-nosed</u> | *Tχ°aPλe B | <u>red-haired</u> |
| *'caPλe | T <u>red-haired</u> | *ñaPλe | <u>brown</u> |
| *Pč ^h 'aPλe | <u>twilight</u> | *'cePλ(a) K | <u>brown (of horse), scarlet</u> |
| *'cePλe | T <u>beet</u> | *'q°ePλa | <u>glance, look</u> |
| *k ^h °ePλe | <u>brick-red, orange</u> | *ġ°aPλ(a) | <u>copper-red, red copper</u> |

64. 1

- *lē -- B lē/lē meat, flesh, body.
 *lē -- B lē/lē to burn, itr.
 *l(a) -- T q-ya-lē/q'-ay-l to be left over, survive (*q:- hither), T mafa-lē/max°a-l a long time/an extra (superfluous) day (*max°a day), T la°ā-la asking constantly, lapawā-la to stumble all the time. Cf. also *lēya.
 *la -- B la/la to dye, paint, itr. and tr. (B tr. also ġā-la).
 *la -- B -la/-la finger's breadth, cf. *zala, *Tq°ala, etc.
 *lēmpe -- .../lēmpe to be pressed, squeezed.
 *lēpa -- T ġa-lēpa to fry, grill slightly.
 *lē(n)de -- B lēde/lē(n)d to shine, glitter.
 *lēche -- .../lēc moss (T pħace).
 *lē(n)č(a) -- B ġa-lēča/ġa-lē(n)č to scorch, B lēča to be scorched.
 *lēpča -- T lēpča/lēpča flesh.
 *lēš°ča -- T lēpča Š lēš°ta/... birthmark. The Š form with lē blood instead of lē flesh is secondary, cf. K hana-l birthmark (hana mother).
 *lēse -- B lese/... cotton plug (in wound).
 *lēPž'(a) -- B lēbž'ə T lēbž'a/lēbža to fry, K also national meat-dish, B lē-lēbž'ə (T -bž'a)/lē-lēbža dish of fried meat, K lēġ°a-lēbža meat-dishes.
 *lēge -- See *gele.
 *lēga -- .../lēga thin, scrawny.
 *lēğa -- B lēğa/lēğa forest-fire, steppe-fire.

- *lēḡ^oa -- B lēḡ^oa/lēḡ^oa to be singed.
 *lēya -- B lēya/lay superfluous; harm.
 *labe -- T ḡa-labe/... to moisten
 *lanSt^ha -- B lanest^ha/lanesta scissors.
 *lande -- T lande/... pike (zool.).
 *lanta -- B lānta/lānta elastic, supple.
 *laPse -- B lapse/laps bouillon, meat-broth.
 *welāṣa -- B welāṣa/... to pound, crush.
 *laž'(a) -- B lāž'a/lāža to work, itr.; to wear out (of clothes), itr.; work, misery, fault, T laž'e/laž to work at stg., tr.
 *la(n)č^ha -- See*Planč^ha.
 *la(n)la -- B lāla T lānla/lāla weak, loose, shaky, dangling, K also wilted.
 *laška -- .../lāška slivver, splinter.
 *lak^oa -- .../lāk^oa painter.
 *welax^oa -- .../welāx^oa rate of pay, salary.
 *lanTḡe -- T tya-ḡa-lantḡe/... to tear off (tya- surface).
 *laḡa -- T lāḡa/... plate, dish (container).
 *laḡ^oe -- B laḡ^oe/... person of the same age.
 *l(a)rḡ^oe -- T lerḡ^oe-ṛe/lareḡ^o callosity, corn (ṛe old).
 *lawe -- T lawe/law pig, piglet.
 *welawe -- T welawe/... to get tired.

- | | | | |
|-----------------------|-------------------------------------|------------------------|---|
| *ph ^h ele | <u>elephant</u> | *č:ēla | <u>seeds, stone of fruit</u> |
| *(P)c:ale | <u>willow</u> | *ṣ'ala | <u>withers (of horse)</u> |
| *ṣale | T <u>with good harvest, S rainy</u> | *č'ala | <u>youth, young man, boy</u> |
| *ṣ'ele | <u>12-year animal cycle</u> | *žala | <u>gills of fish</u> |
| *k ^h (a)le | <u>hut</u> | *Pžala | B <u>liana</u> |
| *gele | <u>(to feel) ticklish</u> | *la(n)la | <u>weak, shaky, dangling, K also wilted</u> |
| *kele | K <u>tickling, to be tickled</u> | *gal(a) | <u>to slip/to (slip and) fall</u> |
| *šx ^o ale | <u>udder</u> | *x ^o a(n)la | <u>to wither, wilt, fade</u> |
| *qale | <u>wild (of animals)</u> | *q:ala | <u>town</u> |
| *šhale | <u>mill</u> | *q ^h oela | K <u>thick sediment, dregs</u> |
| *mele | <u>ice</u> | *q ^h oela | B <u>stalks and leaves (of melons, potatoes, beets, etc.)</u> |
| *male | <u>sheep</u> | *q:ōala | <u>raven/crow</u> |
| *Tq ^o ala | <u>breadth of two fingers</u> | *q'ōela | <u>to be fooled/to be seduced</u> |
| *cala | <u>to smear</u> | *ḡamela | <u>food taken on trip</u> |
| *zala | <u>breadth of one finger</u> | *ḡ ^o a(n)la | <u>to wither (of plants)</u> |
| *č ^h ēla | <u>raw silk</u> | *hala | <u>wedge</u> |
| *č ^h ēla | <u>middle (of summer, winter)</u> | *Thala | <u>to stifle, smother</u> |
| *č:ēla | <u>(population of) village</u> | *wala | K <u>cloud</u> |

65. Pl

- *Pl(a) -- B bl(a)/bl(a) seven (times)
- *Pl(a) -- B bl(a)/bla to thread on a string, to plait, braid, (in)tr.
(in K both bla).
- *Pla -- B bla/bla snake.
- *Pla -- B bla/bla upper arm and shoulder.
- *Pla -- B bla/bla to burn, shine, itr.
- *PləPq:ə -- B bləpq:ə/bləp^q shoulder-joint.
- *Pləne -- B bləne/blən corner (T back wall)/wall.
- *(P)la(n)č^ha -- T lānča/blāša maple (T affricate preserved after n).
- *PlaPlə -- .../pe-blabl to hang in large numbers (of fruit) (pe- tip).
- *Pl(a)g^oe -- B bləg^oe/bləg^o, blag^oe-ša armpit (ša bottom).
- *PlanT^xa -- T blānt^xa/... shoulder with leg (of animal). Cf. *PlaT^ha).
- *Plağa -- B blāğa/blāğa near; close (relative, friend).
- *Plağa -- B blāğa/... bead.
- *Plağ^oe -- B blağ^oe/blağ^o shoulder-blade.
- *Plağ^oa -- B blağ^oa/blağ^oa dragon, K also crocodile.
- *PlaT^ha -- .../blāt^ha collarbone, shoulder-blade, shoulder with leg (of animal). Cf. *PlanT^xa.
- *Plaš^ha -- .../blāš^ha part of room opposite door. Cf. *p^haš^ha.
- *Plana -- B blāna/blāna doe.
- *Plana -- B blāna/blāna energetic, brave/strong.

- | | | | |
|-----------------------|--|-------------------------|--|
| *PlaPlə | K <u>to hang in large numbers (of fruit)</u> | *q ^h aPla | <u>arm, forearm</u> |
| *Pq ^o aPla | B <u>mat made of rushes</u> | *P ^x a(m)Pla | <u>stretcher for carrying dead to cemetery</u> |
| *šəPla | <u>thunder/lightning</u> | *ğəPla | <u>hunger, famine, K also crop failure</u> |
| *kaPla | K <u>sap of the nut tree</u> | *ñaPla | <u>quarter of village</u> |
| *q ^h aPla | K <u>stretcher for carrying dead to cemetery</u> | *haPla | š <u>a kind of wheat</u> |
| *q:(a)Pla | <u>south</u> | *wəPla | <u>to begin</u> |

66. l

- *lə -- B lə/lə man, husband.
- *l(a) -- B lə/lə to stifle to death, tr., B la/la to die, itr.
- *la -- B la/la to fade, wither.
- *lək^hə -- B lək^hə/lək^o middle-aged.
- *lək^oa -- B lək^oa/lək^oa messenger.
- *ləš^h(a) -- B ləša/ləša hired farm-laborer, K q^ha-ləš^h to earn as id., tr.
- *laš^h(a) -- T laša-ğ^oe/laš^he-ğ^oa century (cf. -ğ^oa time, term).
- *l(a)la -- B ya-ləla/ya-lāla to sweat at stg., be engaged in work requiring

great effort and concentration.

*laq:°a -- T laq°a/laq°a clan/sworn brother, T laq°a-laš/laq°a-laš nobleman/privileged class.

*Pš:°ełe	<u>serf, slave</u>	*q°eł(a)	<u>to tack, stitch, rivet</u>
*ł(a)ła	<u>to sweat at, make effort in</u>	*x°eł	<u>to succeed, come off, T</u> <u>to happen to sb.</u>
*x°eł	<u>to impel, induce</u>		

67. Pł

*Pł(a) -- B pł(a)/pł(a) four (times).
 *Pła -- B pła/pła upper back, shoulder, B also withers.
 *Pła -- T pła/płāpła to deteriorate in storage/to lounge, sprawl.
 *Płafse -- T płapse/płaps shoulder-strap, -belt.
 *wepłā(n)ć'(a) -- T wepłā(n)ć'(a)/wepłānśa to fold in four, tr.
 *wepłāPłe -- T wepłāPłe/... to flatten, hammer flat.
 *Płāq°e -- B płā°e/... upper back, shoulders.

*wepłāl'łe	T <u>to flatten, hammer flat</u>	*ğāPła	T <u>to (com)press, to iron.</u>
*qāPła	<u>embrace, K also armful</u>		

68. k^h

*k^he -- B č^h'e/ke brushwood, twig.
 *k^he -- .../ke to step, itr. and tr.
 *k^he -- B č^h'e/ke to pull, tear out, off, tr. (only w. local prefixes).
 *k^ha -- B č^h'a/ka spleen.
 *k^ha -- B č^h'a/ka to burst, crack (as glass, ice), itr.
 *k^hemp^ha -- .../kempa twig, dry branch.
 *k^hent^he -- .../kent (ethnic name in Mart epos).
 *k^hesa -- T č'esa/kesa pouch (Tu kese).
 *k^hePža -- B č^h'ebža/kebža ring of twigs for tying stakes of wattle.
 *k^hex°e -- .../kex° dry twigs.
 *k^heye -- B č^h'eye/key wattle made of supple branches.
 *k^heya -- B č^h'eya/kay tub (T pža-č'aye id. (pža wood) points to *k^haye; the K form can continue either).
 *k^hene -- T č'ene/ken top (spinning toy).
 *k^hath^he -- B č^h'ath^he/kat sheep-shed.
 *k^h(a)će -- B č^h'aće/keć kid, young goat (cf? Tu keçi; the compound B law-č^h'aće animal (law pig) speaks against borrowing).
 *k^hanž'e -- T č'anž'e/kanž shallow (B irregularly š^h'anž'e).
 *k^h(a)le -- T č'(a)le/kel hut.

- *k^hak^ha -- T č'áč'a-n/kāka to chirr, laugh derisively/to bleat, howl, shout.
 *k^hank^ha -- .../kanka palsy of cattle.
 *k^haT^hxa -- T č'at^hxa-n/kāt^hxa to tear to shreds, tr.
 *k^haye -- See *k^heya.
 *k^hawe -- T č'awe/kaw wattle fencing; farmstead.
 *k^hame -- .../kam to be insufficient, lack, me-kame-w uninterruptedly
 (me- negative element, -w modal case).

- | | | | |
|------------------------------------|-------------------------------------|--------------------------------------|---|
| *č ^h ek ^h e | <u>castanets (p^hxa-)</u> | *č ^h 'ak ^h (a) | <u>to weigh</u> |
| *č ^h 'ak ^h e | <u>suspicion, doubt</u> | *k ^h ak ^h a | <u>to chirr, laugh derisively/</u>
<u>bleat, howl, shout</u> |
| *č ^h 'ak ^h e | <u>to put up with, bear</u> | *k ^h ank ^h a | K <u>palsy of cattle</u> |
| *lak ^h e | K <u>strong, firm, staunch</u> | | |

69. k:

- *k:(a) -- B č:'(a)/... to turn, spin around, (in)tr. (tr. status of k:e not documented in material), T č'a-ra-zē-n, č'a-ra-č^oe-n/ga-ra-z id., itr. (-ra- instrumental? zē cf? za turn). Relation to *g(a) and *k^hene unclear.
 *k:a -- T š'ene-č'a/šene-ga core of a boil *č^h'ene.
 *k:eye -- B č:'eye/gey (inside of) throat (antiquated in K).
 *k:ap:a -- B č:'ap:a/gāba (lower) side, side (of body, hill, etc.), T wa-š^oa-č'apa horizon (*waš^oa sky).
 *k:at^ha -- Š k:āt^ha/gāta sword. See Balkarov 1970:84; the B form with č^h'- (Kuipers 1963:69) is irregular.
 *k:at:e -- č:'at:e/gad chicken.

70. Pk:

- *haPk:e glass, window-pane

71. g

- *ge -- B 3'e/ye-ge now (ye- 3rd pers. possessive).
 *g(a) -- B 3'(a)/g(a) to twist, spin (thread), (in)tr.
 *g(a) -- B T 3'(a)/g(a) smooth, polished (only in compounds), cf. *geg(a), *geya, *gaš^oa.
 *g(a) -- B 3'e/ge to read/to study, B 3'a/ga to call, announce, with *ya- also to read.
 *ga -- B -3'a/-ga bad, insufficient, lacking, cf. *Pzaga, *lēga, etc. Cf. *ya bad.
 *gele -- B le3'e/gel (to feel) ticklish, K gel-kel id. (prob. inversion in B); T čele means exaggeration, pretense. Cf. *kele.
 *geg(a) -- T mel-3'e3'ewe/gega clear, shiny ice mel/to be polished, shine.
 *geña -- B 3'añe Š gañe/... to weed with a hoe.

- *gaya -- .../mēl-gay smooth ice (mēl ice).
 *gaṣ°(a) -- B ʒ āṣ°a/gāfa smooth, T wəʒ āṣ°a/wəgaf to rub smooth, itr. and tr./to bare, tr.; to become smooth, itr.
 *ga^(r/n)č^h°e -- B ʒ ānč^h°e/ga(r)š bean, pea.
 *gal(a) -- B ʒ āla/gāla to slip/to (slip and) fall, K xa-gal to fall out of (xa- a mass, group). Cf. T ʒ ande to (slip and) fall (e.g. of a horse).
 *gag°e -- B ʒ āg°e/gag° to play; game(s).
 *gax°e -- T ʒ āfē/gax° tow-haired.
 *gaya -- B ʒ āya/gay sheat-fish (large catfish)/whale.
 *gana -- B ʒ āna/gāna shirt.

*bage	<u>spider</u>	*č ^h °aga	<u>noon, dinner-time</u> (*-ḡ°a)
*t ^h age	<u>to stand up, rise</u>	*łaga	K <u>short, low (of plants)</u>
*dege	<u>bitter, sour, sharp-tasting</u>	*lega	K <u>thin, scrawny</u>
*sege	<u>hump, crest; anvil</u>	*gega	<u>to be polished, shine</u>
*š ^h age	<u>stack, rick</u>	*qaga	<u>handful, many</u>
*lege	See *gele	*xega	K <u>girl (-bz)</u>
*wege	<u>round dance with singing</u>	*ḡ°e ^(r/n) ga	<u>mirror</u>
*p ^h eg(a)	<u>to butt, gore</u>	*weTḡaga	K <u>to entreat, make complaints</u>
*za ^r /ng(a)	<u>berries of the snowball tree</u>	*neg(a)	<u>floodlands, water-meadow</u>
*Pzaga	<u>evil; to make mischief</u>	*nag(a)	<u>bad, evil; to disfigure</u>
*ṣ°aga	<u>luckless/ugly, unattractive</u>		

72. k̥

- *k̥e -- B č°e/k̥e handle, haft (of implement, axe, knife).
 *k̥e -- B č°e/k̥e to come or go out of stg. (only w. local prefixes), T bla-č°e/bla-k̥ to pass by (*bla- past, by).
 *k̥e -- B š^h°e-č°e/ṣe-k̥ to give oneself airs (*š^h°e- location). To preceding item, cf. T ṣ°am yēč°en id., lit. to go out of one's skin.
 *k̥e -- T la-č°e/la-k̥ to be able to, tr./itr., T lač°e force, power. In T, la- belongs to the stem (hə-lač°e-ḡ he was able to), in K it is a prefix (la-mə-k̥e-n to be unable to).
 *k̥(a) -- B č°e/k̥e to come out, bud, grow, T pə-č°a/pə-k̥a to grow at the end of stg., T qə-pə-č°a/qə-pə-k̥a to carry fruit, itr. (*p^h°e-tip, *q:ə- hither).
 *ka -- B č°a/ka tail, back, end (of space, time), in compounds egg; manner, way.
 *ka -- B č°a 5M ka/... seeds.
 *ka -- B yə-č°a/yə-ka to pour in, tr. (yə- hollow, container, etc.).
 *ket^ha -- T č°eta/keta malt, T also to become soft, to swell.
 *weket^ha -- T wēč°eta/wēketa shame.
 *kesa -- T č°esa/... to sprout, shoot (of plant). Cf. *k̥(a).

- *kəš°ə -- B č'əš°ə/kəf dark(ness). B also š°ənc'ə.
- *kəšh'ə -- B č'əšh'ə/kəš smithy.
- *kəž'ə -- See *Pkəž'ə.
- *kələ -- .../kəl tickling, to be tickled. Cf. *gələ.
- *kə(r)gə -- B č'ərgə/kəg to squeak, creak (B č'ərg-č'ərg expresses the sound, e.g., of creaking shoes). Cf. *dərgə.
- *kəh(a) -- B č'āhə T č'əha/kəh long.
- *kəye -- B č'əye/kəy to shriek, howl.
- *kərə -- B č'ərə/kər thick, dense (of wool, beard, etc.), long (of hair), high (of grass). Cf. *k(a).
- *kap^ha -- B č'ap^ha/kāpa fatty sheeptail, kurdyuk.
- *kant(a) -- .../kant to be exhausted, pse-kānta creek, rivulet, small remains of water (of flood or dried-up river) (pse water), T č'ante-?°ə/kante-?° small of the back.
- *kaPc:(a) -- B č'apc:a/kabʒ thigh (of animal), leg (of bird).
- *kače -- T č'acə/kac to lay eggs, itr., K also to be very afraid. Cf. *č(a).
- *kaPca -- T č'apca/kāpca lower abdomen/stomach.
- *kase -- T č'ase/kas prisoner of war (formerly put on horseback behind his captor).
- *kasa -- B č'asa/kāsa late.
- *kaPse -- S kapse/Be čə-kaps croup (of horse) (čə horse).
- *kaPsa -- B č'apsa/kāpsa string, rope.
- *kaš°a -- S kās°a/... ceiling.
- *kač'ə -- T č'ac'ə/kāš short (T of time only).
- *wəkaPč'ə -- See *wəPkaPč'ə.
- *kaPla -- .../kābla sap of the nut-tree.
- *kaKa -- .../kāka to chirp.
- *kanKa -- T č'ānc'a/-ka egg.
- *kaxa -- T č'āxa/kāxa lower (region)/Western Circassian.
- *kaPxa -- T kāpxa/... splint, S skirt.
- *kak:°a -- B č'āk:°a/kāg°a dock-tailed; short (rope, stick, coat, etc.).
- *kax°ə -- .../kax° dawn.
- *kaPxe -- B č'apxe/kapx squirrel.
- *kanTxe -- .../kantx remains, sediment on bottom.
- *kašx(a) -- .../kāšxa poor, meagre, scanty, meva-kāšx gravel (meva stone).
- *kağa -- .../kāğa fog.
- *kaq^h°ə -- .../kāq° cock of gun (also kāq).
- *kağ°a -- See *Pkağ°a.
- *kaye -- T č'āye SM kaye/... valley, SM stream.
- *kaya -- T č'āye/kay ash-tree (T -ə irregular).
- *kane -- B č'āne/kan knucklebone (used in bone game).
- *kana -- .../kāna piece, lump.

*Pq°a(n)kē	<u>to crackle, puff, K also flock, tuft</u>	*phāka	<u>stretch, interval, zone</u>
*sake	<u>to castrate</u>	*c:aka	<u>edge</u>
*š°enke	<u>dark</u>	*čaka	<u>nit</u>
*č°ekē	<u>to break off</u>	*šaka	<u>weeds, K also chaff</u>
*šh°ekē	<u>to give oneself airs, K also to be surfeited</u>	*žaka	<u>beard</u>
*šhake	<u>cloth, textile</u>	*kaka	K <u>to chirp</u>
*lake	<u>to be able, T also force</u>	*kanka	<u>egg</u>
*k°ake	<u>to change, get spoiled</u>	*g°emka	See *g°e ^m /Pka
*q°enke	<u>lock, key (-bza)</u>	*Pšank(a)	<u>to sweep</u>
*x°(a)kē	<u>to get damaged by rubbing</u>	*g°eka	<u>blacksmith</u>
*x°ake	<u>to (ex)change</u>	*haka	K <u>hiccup</u>
*g°e(r)kē	T S <u>severe frost</u>	*hamka	<u>gallop</u>
*wekē	<u>to kill</u>	*Thaka	K <u>brim of hat</u>
		*naka	<u>wink/outer corner of eye</u>

73. Pk

- * (P)kē -- T pč°e-ž°e/tay-kē-ž to fade (of fabrics) (tay- surface, -ž°e/-ž back, again, as previously; for the correspondence ž°/ž see Kuipers 1963:79).
- *Pke -- T hālez°a-pč°e/pke dough-cutter/to cut dough (T hālez°a cheese patty).
- *Pk(a) -- T pč°e/pke to trample down, beat (a road), K also to stamp leather, to sharpen (a sickle); to jump, fly off (K lē-pk fly off the foot, as shoe), T pč°a S pska/pka to jump, K also to trample (tay-pka), to shrink (xa-pka).
- *Pka -- .../pka loft, attic (K pka-lay ladder, stairs, cf. *laya). Cf? T č°aš°a attic.
- * (P)kePxa -- B pč°epxa/kepxa small toothed wheel for cutting dough.
- *we(P)kaPč°e -- T wepč°apč°e/wekapš to husk, peel, clean.
- *we(P)kaPč°a -- T ga-wepč°apč°a-n SM wekapča-n/... to button, fasten.
- * (P)kağ°a -- T pč°ag°ā-sa/kāğ°a, kağ°ā-sa soot.
- *Pkaya -- .../pkay maple. Cf. *kaya.
- * (P)kawa -- B pč°awa/(p)kāwa grasshopper.

*g°e ^m /Pka	<u>back part of cart</u>	*ha ^m /Pka	<u>gallop</u>
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74. Šk

(K šk after ā, and šk elsewhere, see Kuipers 1963:86).

- *Ška -- B ška/ška calf (up to one year old).
- *Ška -- .../qā-ska to flinch, wince, quiver (qā- hither).

*ška -- T -ška/-ska lump, chip, splinter, T pša-ʔ°əška-n/q°āška chips, kindlings (pša wood; the correspondence T ʔ°/q° is irregular), cf. also *qaška, *laška.

*laška	K <u>slivver, splinter</u>	*x°aška	K <u>spark</u>
*qaška	<u>lump, (snow)ball</u>	*maška	K <u>spark</u>

75. x

*xə -- B xə/xə sea.
 *xə -- B xə/xə to take out, off, away (only w. local prefixes).
 *xə -- T pə-xə/pə-x to file (pə- tip). Cf. preceding item.
 *xə -- B ya-xə/ya-x to go down, B da-xə/da-x to go aside.
 *x(a) -- B x(a)/x(a) six (times).
 *x(a) -- B x(a)/x(a) to reap, (in)tr.
 *x(a) -- T xə/... bottom, lower part (hə-x its id.), T -xa/-xa id., cf. *Psəxa, *ʒ'axa, *kaxa.
 *xəq^h°a -- T xəq°a/xəq°a porpoise, lit. sea-pig.
 *xəya -- B xəya/xay innocent.
 *xəna -- T ʃhā-xəna/ʃhā-xəna lazy (ʃhā head).
 *xat:a -- B xāt:a/xāda kitchen-garden.
 *xasa -- B xāsa/xāsa council, conference, T also to discuss, consider.
 *xaPza -- B xābza/xābza usage, tradition, customary law.
 *xaş°a -- B xāş°a/... steppe. Cf. *(P)xaş°a.
 *xač^h'a -- T xāš'a/xāša spy, scout/informer, telltale.
 *xak^h°e -- B xak^h°e/xak° country, region.
 *xak°a -- B xāk°a/xāk°a reaper.
 *xak°a -- B xāk°a/xāk°a stallion.
 *xax°a -- T xāfa/xāx°a brave, T also sour (of fruit).
 *xaya -- S xāya/... a measure of millet (144 bundles).
 *x(a)ma -- B xəma T xāma/xāma foreign, unknown, stranger.

*bəxe	S <u>to fall through (ice)</u>	sb. (p-ya-)	
*saxe	<u>bar, gate</u>	*ʃhaxe	<u>laziness, indolence</u>
*Psəxe	<u>to dismount</u>	*wəxe	<u>to finish</u>
*Pzaxe	<u>to disappear</u>	*waxe	<u>lowland, depression (geogr.)</u>
*ʒaxe	<u>quickly, soon</u>	*nəxe	T <u>aspen</u>
*qəxe	<u>to take, receive stg. from sb.</u>	*daxa	<u>beautiful</u>
*Přaxe	<u>file (tool)</u>	*c:əxa	<u>frail, weak, without stamina</u>
*Přaxe	<u>to open, uncover (a straw roof)</u>	*Psəxa	T <u>lower reaches of river</u>
*ğ°axe	T <u>to carry to meet (towards)</u>	*ʒ'axa	<u>(surface of) floor in house (-ş°a)</u>

*λaxa	K <u>domicile, district</u>	*q ^h axa	K <u>feeble</u>
*kaxa	<u>lower (region)/W. Circassian</u>	*max(a)	<u>to faint, be tired, worn out; weak, brittle</u>
*g ^o əxa	<u>soft-hearted, weak of character</u>	*naxa	S <u>face</u>

76. Px

*Px(a)	-- B px(a)/px(a) <u>to card (wool), (in)tr.</u>
*Px(a)	-- B pxə/pxə <u>to tie up, bind, tr.</u> , B pxa/pxa <u>to tie up, bind, fasten</u> , B itr., K tr.
*Pxa	-- B pxa/pxa <u>back part.</u>
*Pxa	-- T -pxa/... habitual suffix, e.g. čeyā-pxa <u>sleepy-head</u> , cf. also *S't ^h aPxa.
*Pxərə	-- B pxərə/pxər <u>sheaf, bunch.</u>
*(P)xaş ^o a	-- B xāş ^o a/pxāfa <u>stubble-field</u> . Cf. *xaş ^o a.
*Pxač'ə	-- B pxač'ə/pxaš <u>buttocks/croup, crupper.</u>
*Pxaŋ'ə	-- B pxaŋ'ə/pxaŋ <u>distorted, crooked, wrong.</u>
*Pxača	-- B pxāča/... <u>bottom.</u>

*S't ^h aPxa	T <u>cowardly</u>	*q ^o əPxa	<u>apron</u>
*kaPxa	T <u>splint</u> , S <u>skirt</u>		

77. Tx

*Txə	-- B txə/txə <u>backbone, spine.</u>
*Txə	-- T txə/... <u>height (geogr.)</u>
*Tx(a)	-- B tx(a)/tx(a) <u>to write, (in)tr.</u>
*Txəp ^h a	-- T txəpa/... <u>edge of elevation (geogr.)</u> . Cf. *Pzap ^h a.
*Txədə	-- B txədə/txədə <u>story, tale; instructive/history (S to speak).</u>
*wəTxə(n)ʒə	-- T wetxə(n)ʒə/... <u>to sift</u> . Prob. < *-n-zə.
*Txəča	-- B txəča/txəča <u>backbone, spine.</u>
*Txəč ^h 'a	-- T txəš'a/txəša <u>hunchbacked, with crooked back.</u>
*wəTxəPč'ə	-- T wetxəpč'ə/wetxəpš <u>to shake out (as rug, blanket).</u>
*Txələ	-- B txələ/txəl <u>letter (epistle), book.</u>
*TxəTxə	-- T txətxə/txətx <u>to shake, tremble.</u>
*Txəñ(a)	-- .../txəñ <u>threading (of screw).</u>
*Txəye	-- S txəye/... <u>to be frightened.</u>
*Txaq ^h o	-- S txāq ^o a, txāx ^o a/... <u>shady side of mountain.</u>
*Tx(a)wa	-- txāwa/txəwa <u>to kick (of horse).</u>

*sanTxə	<u>(stony) height (geogr.)</u>	*wəz ^o ənTxa	T <u>to spit</u>
*TxəTxə	<u>to shake, tremble</u>	*ğatxa	<u>spring (season)</u>

*wəTx(a) to splash, splatter

78. Š'x

- *Š'xə -- B š'xə/dəñašx to laugh.
 *Š'x(a) -- B q:a-š'xə-n/qa-šxə-n to rain, K xa-šxa-n to rain into stg.
 *Š'xa -- B š'xa/šxa to glue, to put on a bandage (with a contracting ointment) in case of broken bones.
 *Š'xəPčə -- T š'xəpčə/... to smile.
 *Š'xəwə -- T š'xəwə/šxew sour milk (B has š'h'ewə).
 *Š'xaPšə -- B š'xapšə/šxaps glue, starch.

*ñaŠ'xə to laugh

*waŠ'xə rain

79. Šx

- *Šx(a) -- B šk:(a)/šx(a) to eat, (in)tr.
 *Šxəd(a) -- B šxəda T id., ya-šxədə/šxəda to chide. (B šx irregular).
 *Šxala -- B šk:āla/šxāla manger.

*(P)ž'ameŠxə spoon

*ğ^oaŠxa to chew (as ruminant)

80. Ğ

- *Ğa -- B Ğa/Ğa scrotum, testicle.
 *Ğə(r)zə -- B Ğərzə/Ğəz to moan, groan.
 *ĞəPza -- See *PĞəPza.
 *Ğəč'ə -- T Ğəč'ə/K dial. Ğəš' to wash (laundry).
 *Ğey(a) -- B Ğeya T id., ya-Ğeyə/Ğay, Ğeya to reproach, chide.
 *Ğeya -- T Ğeya/Ğay dove-grey, T ş^oa-Ğeya spotted (of cow) (ş^oa hide).
 *Ğene -- B Ğene/Ğən (gun)powder, K also poison.
 *Ğene -- S Ğene/Ğene-x^o cabbage/parsnip (-x^o white), T Ğene-plə beet (-plə red), T ž'anč'-Ğene bean-sauce (ž'anč'ə bean).

*baĞe to swell

*p^haĞa haughty

*č:əĞe tree

*laĞa high

*ğ^oa(r)Ğe to roar, howl, weep loudly

81. Pğ

- *PĞe -- B bĞe/bĞe waist, cf. also T č'aš'ə-bĞe/žəşə-bĞe midnight (*č:'a-š:'ə night).

- *Pğə -- B bğə/bğə height, mountain, steep bank, etc.
 *Pğ(a) -- B bğa, ya-bğə/bğa, ya-bğ to curse (sb.).
 *Pğə(n)ta -- T bğənta 5 bğəta/bğənta ungirded.
 *(P)ğəpza -- B bğəbza/ğəbza to curse (dissimilation in K).
 *Pğəla -- T bğəla/bğəla mountainous.
 *Pğəq:°ə -- B bğəq:°ə/bğəq° cross-beam.
 *Pğəşha -- B bğəşha/bğəşha top (of mountain), upper edge (of ravine).
 *Pğəna -- T bğəna/bğəna to leave, desert.
 *Pğana -- B bğāna/bğāna sheaf/tie around sheaf.

- | | | | |
|----------------------|---|-------------|---|
| *p ^h aPğə | <u>bridge of nose</u> | *yaPğa | <u>fierce, nasty (e.g. dog),</u>
K also <u>brave</u> |
| *q ^h aPğa | T <u>wattle-made drying rack</u>
<u>for corn, etc.</u> | *na(r)Pğ(a) | <u>person</u> |
| *x°əPğa | T <u>(cattle) for breeding</u> | | |

82. k^h°

- *k^h°ə -- B k^h°ə/k°ə core, middle.
 *k^h°ə -- T re-y-k°ə-n/ya-k° to dare, venture to.
 *k^h°a -- B k^h°a/k°a thigh.
 *k^h°a -- B k^h°a/k°a to stuff (as pillow), cork (bottle), pull stg. over
stg. (as garment) (only w. local prefixes).
 *k^h°ə^r/mbə -- B k^h°ərbe T k°əmbe/k°əmb hole, hollow, T pşa-k°ərbe hollow in
neck (pşa neck).
 *k^h°əda -- B k^h°əda/k°əda to fill up, cram, cork.
 *k^h°əda -- B k^h°əda/... petroleum, oil, cf? also 5 k°ərda axle-grease,
which, however, may contain *k:°ə cart.
 *k^h°əčə -- B k^h°əčə/k°əč marrow, K şha-k°əč brains (şha head).
 *k^h°ə(r)sa -- T k°ə(r)sa/k°əsa stripe.
 *k^h°əPsa -- T k°əpsa/k°əpsa center, pivot.
 *k^h°əPč°(a) -- B k^h°əpč°ə/k°əpşa core, (soft) center, kernel.
 *k^h°əPlə -- B k^h°əplə/k°əpl brick-red, orange.
 *k^h°əPq:(a) -- B k^h°əpq:ə/k°əpqa stone (of fruit).
 *k^h°əq:°ə -- .../k°əq° crossbeam.
 *k^h°ə(r)ğ°(a) -- B k^h°əğ°ə T k°ərğ°a/k°əğ°a yolk.
 *k^h°əwe -- B k^h°əwe/k°əw deep.
 *k^h°a(n)də -- B k^h°andə/k°ad much, many.
 *k^h°anda -- B k^h°ānda/... bush, shrub.
 *k^h°a(P)sa -- T k°āpsa/k°asa beardless (Tu köse).
 *k^h°ač°ə -- B k^h°ač°ə/k°aš lap (portion of body).
 *k^h°ač^h°ə -- B k^h°aš^h°ə/... to migrate (of nomads) (Tu köçmek, hence *č^h°
and not *š^h°).
 *k^h°aš:a -- B k^h°āš:a/... tussock, one clump (of grass, etc.); to put out
side-shoots.

*k^ho^əye -- T k^oaye/k^oay (quarter of) settlement/community (Tu köy).

*t ^h erk ^h o ^ə	K <u>growth in animal organism</u>	*hak ^h o ^ə	<u>fireplace, oven</u>
*z ^o ak ^h o ^ə	<u>red-hot coals</u>	*çhak ^h o ^a	<u>honeycomb</u>
*lək ^h o ^ə	<u>middle-aged</u>	*q ^o ek ^h o ^a	<u>plug, spigot</u>
*xak ^h o ^ə	<u>country, region</u>	*Thak ^h o ^a B	<u>with short, flapping ears</u>
*Přak ^h o ^ə	<u>heart of tree/timber</u>	*mark ^h o ^a	<u>tapeworm</u>

83. k:^o

*k:^oe -- B k:^oe/g^oe "arba", two-wheeled cart, vehicle.

*k:^oa -- S k:^oa/... twig. Cf. *k:^oama.

*k:^oa -- B -k:^oa/-g^oa truncated, cf. *k^hak:^oa, etc.

*k:^oec:a -- B k:^oec:a/g^oeʒa spoke of wheel.

*k:^oeʒa -- B k:^oeʒa/g^oeʒa cradle.

*k:^oeʒ^oa -- B k:^oeʒ^oa/g^oefa sidewall of cart.

*k:^oe^m/Pka -- B k:^oeč^oa/g^oemka, g^oepka back part *ka of cart.

*k:^oewa -- B k:^oewa/g^oaw to shout.

*k:^oart^h(a) -- T k^oarte/g^oarta a certain (solid) number/(large) herd.

*k:^oac:e -- B k:^oac:e/g^oaʒ wheat.

*k:^oaš:’e -- B k:^oaš:’e/g^oaʒ shelter for cart.

*k:^oač^oa -- B k:^oač^oa/g^oač^oa pitchfork.

*k:^oama -- T k^oama/g^oana (small) branch, twig (prob. dissimilation in K).

*k:^oane -- B k:^oane/g^oan covered granary made of wattle.

*p ^h ak: ^o a	<u>blunt</u>		also <u>short-legged</u>
*c:ak: ^o a	<u>blunt, dull</u>	*k ^h ak: ^o a	<u>dock-tailed; short</u>
*Pzak: ^o a	<u>dumb (without speech)</u>	*q: ^o ak: ^o a	<u>hornless/one-horned, one-eared, asymmetrical</u>
*lak: ^o a	<u>low (esp. of vegetation), K</u>		

84. g^o

*g^oe -- B g^oe/g^oe heart.

*g^oe -- B -g^oe/-g^o surface (of earth, sky, palm of hand, etc.).

*g^o(a) -- B g^o(a)/g^oe to pound, husk (maize, millet, etc), B (in)tr., K itr. and tr.

*g^oa -- T g^oa/... to fill, stuff, cram.

*g^oep^ha -- B g^oep^ha/g^oepa front surface, front part, T also face, breast.

*g^oede -- B g^oede/g^oed vulva.

*g^oesa -- T g^oesa/zə-ğa-g^oesa to take offense (zə- oneself).

*g^oepsa -- T g^oepsa/g^oepsa beloved; kind, good/cordial.

- *g^oəzə -- T g^oəzə/... anger, malice, old grudge, cf. also T g^oəha-g^oəzə old grudge.
- *g^oəş^oa -- S g^oəş^oa/... glade.
- *g^oəz^oa -- B g^oəz^oa/g^oəva to be late. Cf. *laž^oa.
- *g^oəş^oa -- B g^oəş^oa/g^oəfa to be glad.
- *g^oəPč^o:a -- B g^oəpč^o:a/... middle, center, circle. Cf. *Pč^o:ag^oə.
- *g^oəPč^o:a -- B g^oəpč^o:a/... having a good memory. Cf. *q^oəPč^o:a.
- *g^oəš^o:a -- B g^oəš^o:a/g^oəša pitiful, alas! (poetic).
- *g^oəPžə -- B g^oəbžə/g^oəbž (to be) angry.
- *g^oələ -- B g^oələ/... a marsh plant used to make p^oābla, T a kind of grass, tuft of maize.
- *g^oəPSk^ha -- S g^oəpsk^ha, g^oəpč^ha/... bronchitis. Cf. *PSk^ha.
- *g^oəxa -- T g^oəxa/g^oəxa soft-hearted, weak of character.
- *g^oəšx^oa -- B g^oəšk^o:a/g^oəšx^oa (to be) courageous, enthusiastic.
- *g^oərq^o:ə -- T pša-g^oərq^o/g^oəre^oq vertebra of neck pša/protuberance of thorax.
- *g^oəq^oa -- T g^oə^oa/g^oə^oa to worry, care; be in pain/to grieve, sob.
- *g^oərgə -- T g^oərgə/g^oəre^og kingpin of cart.
- *g^oəğa -- B g^oəğa/g^oəğa hope, K also opinion.
- *g^oə(r)χ^oə -- B g^oərx^oə/g^oəχ^o to crush millet; mortar for crushing millet.
- *g^oəreš^oχ^oa -- T g^oəreš^oχ^oa/g^oəreš^oχ^oa suspicion.
- *g^oəğ^oə -- B g^oəğ^oə/g^oəğ^o story, account (in: B K ye-g^oəğ^o šə-n to tell about; ye- its, šə-n to make).
- *g^oəğ^oə -- B g^oəğ^oə/g^oəğ^o difficulty, trouble/difficult, B ya-g^oəğ^oə/ya-g^oəğ^o to apply oneself, work hard at; diligent.
- *g^oəPğ^oa -- B g^oəbğa, g^oəbğ^oa/g^oəbğ^oa field, steppe.
- *g^oə(r)h(a) -- B g^oəhə/g^oəre^oh pleasant, tasty.
- *g^oəya -- S g^oəya/... quantity of grain which fills one mortar or oven.
- *g^oəya -- T g^oəya/... malicious, mean, S courageous.
- *g^oəp^ha -- B g^oəp^ha/g^oəpa pleasure.
- *g^oəp:a -- B g^oəp:a/... it is stuffy, stifling.
- *g^oəč^h-(a) -- B g^oəš^hə, T g^oəš^o:a/g^oəš, g^oəša to distribute, divide, (in)tr., T also to give presents.
- *g^oəš^o:a -- B g^oəš^o:a/g^oəša princess, husband's mother, T also wife, K doll.
- *g^oək^oa -- B g^oək^oa/g^oək^oa pleasant.
- *g^o(a)q^oa -- B g^oə^oa T g^oə^oa/... to hurry.
- *g^oəq^oə -- T g^oə^oə/... likable (person).
- *g^oəwa -- B g^oəwa/g^oəwa (to cause) injury.
- *g^oəra -- B -g^oəra/-g^oə a certain, some (cf? Georg. gvari).

*bag^oə pimple, scab

*dag^oə deaf

*Pseg^oə S island

*Pzag^oə tongue

*Pč^o:ag^oə B middle, center, circle

*čeg^oə surface of the earth, territory

*š ^h ag ^o e	<u>mountain top, top part/ plateau, surface</u>	*ǵ ^o ag ^o e	<u>road</u>
*lag ^o e	<u>footsole; floor, valley</u>	*wag ^o e	<u>sky, heaven</u>
*Pl(a)g ^o e	<u>armpit</u>	*wag ^o e	<u>freckled</u>
*gag ^o e	<u>to play, game</u>	*nag ^o e	<u>face</u>
*x ^o eg ^o e	<u>millet (w. husks removed)</u>	*p ^h ag ^o a	<u>carp, fish, blunt-nosed/ blunt</u>
*qag ^o e	T <u>courtyard</u>	*dag ^o a	S <u>short-eared</u>
*Pgag ^o e	<u>brisket, thorax</u>	*terg ^o (a)	<u>to butt/to fillip, bump</u>
*q ^o ag ^o e	<u>house-serf/homestead</u>	*qag ^o (a)	<u>palm of hand, handful</u>

85. k^o

- *k^oe -- .../ya-k^o fitting, proper, B ya-me-k^oe/ya-me-k^o wrong, shameful (me- negative). Prob. to next item, cf. English "(un)becoming".
- *k^o(a) -- B k^o(a)/k^o(a) to go, cover a distance, (in)tr.
- *k^oa -- B -k^oa/k^oa nomen agentis, cf. *š:a^oa, *xak^oa, etc.
- *k^oet^h(a) -- B ye-k^oet^h(a)/ye-k^oet(a) to pour out (resp. into) (ye- hollow space).
- *k^oat^h(a) -- B k^oat^ha/k^oata to move (along, forward), ye-k^oat^he/ye-k^oat to move back(wards).
- *k^oad(a) -- B k^oade/k^oad to disappear, get lost, perish, B xa-k^oada/xa-k^oada id. into a mass.
- *k^oačē -- B k^oačē/k^oač innards, inside, interior.
- *k^oasa -- B k^oasa/k^oasa to go out (as fire, light)/to escape, run away, desert, elope.
- *k^oaša -- T k^oaša/... to sneak along, move noiselessly.
- *k^oakē -- B za-k^oač'e/za-k^oak to change; to get spoiled (za- to oneself).

*bek ^o e	T <u>little calf</u>	*lak ^o a	<u>grinder</u>
*perk ^o e	T <u>compact (of fabrics)</u>	*lak ^o a	K <u>painter</u>
*tak ^o e	<u>few, (a) little</u>	*lək ^o a	<u>messenger</u>
*tak ^o e	S <u>place</u>	*xak ^o a	<u>reaper</u>
*čək ^o e	<u>small</u>	*xak ^o a	<u>stallion</u>
*wePlak ^o e	T <u>to check up on</u>	*č ^o ak ^o a	<u>pleasant</u>
*Tḥak ^o e	<u>ear (-ma)</u>	*x ^o ak ^o a	<u>to pasture, itr.</u>
*nak ^o e	<u>face/cheek, mountainside</u>	*ǵ ^o ak ^o a	T <u>to go astray (of cattle)</u>
*p ^h ak ^o a	B <u>saddle flap</u>	*ḥak ^o a	K <u>honeycombs with honey</u>
*zak ^o a	S <u>full, whole</u>	*šḥak ^o a	<u>offence taken, touchiness</u>
*č'ak ^o a	<u>felt cloak, "burka"</u>	*mark ^o a	<u>berry</u>
*š:a ^o a	<u>hunter, to hunt</u>		

86. Tk^o

- *Tk^o(a) -- B tk^oe/tk^oe to melt, thaw, drip, itr., .../tay-ǵā-tk^oa to drip on, bespatter, tr.

*Tk^oalse -- B tk^oapse/tk^oaps drop (of water), cf. T pseḡ^oā-n-tk^oa id.

*ḡ^oa(n)Tk^oa T drop (of water, etc.)

87. Šk^o

(After ā all dialects have šk^o versus šk^o elsewhere, cf. no. 74. Occasionally K has ṣk^o besides or instead of šk^o).

*Šk^o(a) -- B šk^o(a)/šk^o(a) to squeeze, crush, cf. *paŠk^o(a), etc.; T šk^oayaw to smithereens.

*Šk^oəmpe -- B šk^oəmpe/šk^oəmp addle egg, rotten (egg) (orig. crush-shell?).

*Šk^oəna -- T šk^oəna/... noose.

*wəpeŠk^oe to crush, crumple, rumple

*məŠk^oe acorn

*PxaŠk^oe K wooden ring at end of rope
for tying up fast

*nəŠk^oe to be chewed

*paŠk^o(a) to pinch

88. x^o

*x^oe -- B nātre-fe/x^oe corn, maize (Narts' millet)/millet.

x^oe -- B fe-ž'e/x^oe-ž white, light (-ž'e -colored).

*x^oe -- B fe/x^oe to roll dough, tr.

*x^oe -- .../pe-y-x^o to smoke (of lamp, torch) (pe- tip, y- hollow, circle).

*x^oe -- fe/x^oe to plait (twigs), wattle (a fence), tr.

*x^oe -- .../xa-x^o to forge (by hammering out of a mass xa-).

*x^o(a) -- B fa/x^o(a) to fall (K out of resp. into, onto) (only w. local prefixes), T fa to fly off (as chips while chopping wood), B -fa/-x^oa remains, offal, cf. *Tḡax^oa, etc.

*x^o(a) -- B fe/x^oe to drive, chase, tr., K qe-da-x^oa to drive (cattle, car) into stg., tr. (qe- hither, da- flat space).

*x^oa -- B fa/x^oa sinew.

*x^oa -- T qe-da-fa/qe-da-x^oa to be left over (*q:ə- hither, *da- flat space). Prob. identical with *x^o(a) fall.

*x^oa -- B šh'e-fa/še-x^oa to smear (paint, grease) (*šh'e- location).

*x^oa -- T fa/x^oa to fit, find place (in, around, etc.) (only w. local prefixes).

*x^oəth^a -- B fet^ha/... to forge.

*x^oəth^a -- .../x^oəta to explore, discover, make clear.

*x^oəpse -- .../x^oəps larva, grub.

*x^oəze -- T feze/x^oəz to press (as orange).

*x^oəč'(a) -- B feč'a/x^oəš to wash the head.

*x^oəž'e -- B fež'e/x^oəz white.

*x^oəla -- .../x^oəla crop (of bird).

- *x^oəla -- B ya-fəla/ya-x^oəla to impel, induce.
 *x^oəg^oə -- B fəg^oə/x^oəg^o millet (with husks removed).
 *x^oənT^ox^oə -- T fəntfə/x^oəntx^o husk of millet.
 *x^oəP^oxa -- .../x^oəp^oxa rolling-pin.
 *x^oə(r)q^hə -- B fərq^hə/x^oəq^oə chaff.
 *x^oəS^ox^oə -- T fəš^ox^oə/x^oəš^ox^oə medicine, curative.
 *x^oəS^oha -- .../x^oəš^oha to yawn.
 *x^oəp^hə -- B fāp^hə/x^oāp^oə to dress, tr.
 *x^oəmbə -- T fambə/... quiet, still.
 *x^oəba -- B fāba/x^oāba warm.
 *x^oəba -- T fāba/x^oāba-šəps a soup with lumps of dough.
 *x^oə(r)t^hə -- .../x^oārtə diaper, x^oāta scarf.
 *x^oərza -- .../x^oārza to soar, hover. Cf. *narza.
 *x^oəč^hə -- B faš^hə/x^oāš cramp, convulsion.
 *x^oəP^ož(a) -- B fābža/x^oābž quick, strong, important.
 *x^oə(n)la -- T fā(n)la/x^oāla to wither, wilt, fade.
 *x^oəye -- B faye/x^oay white maple (beloklén)/a kind of birch.
 *x^oəmə -- B fame/x^oam quiet, slow. Cf. T famefə/x^oaməx^o lazybones/un-
wieldy (person). Cf. also *x^oəmbə.
 *wəx^oənə -- .../wəx^oən to plait, braid.
 *x^oəra -- B fāra/x^oāra thoroughbred horse.

- | | | | |
|-----------------------------------|---|-----------------------------------|---|
| *p ^h ax ^o ə | <u>white-nosed</u> | *P ^h ax ^o ə | 5 <u>birch</u> |
| *t ^h ax ^o ə | K <u>white</u> | *q ^o ax ^o ə | K <u>w. light horns and light</u>
<u>grey around nose (oxen)</u> |
| *c:ax ^o ə | <u>tin</u> | *q ^o ax ^o ə | <u>affair, business</u> |
| *čax ^o ə | <u>human being</u> | *g ^o ax ^o ə | T <u>zinc</u> |
| *čax ^o ə | <u>to know</u> | *nax ^o ə | <u>object borrowed, K also</u>
<u>to win (e.g. money)</u> |
| *sax ^o ə | K <u>(quick)lime</u> | *Thax ^o ə | K <u>with white ears</u> |
| *Psax ^o ə | <u>to rest</u> | *nəx ^o ə | K <u>sheep's rectum</u> |
| *Pzəx ^o ə | <u>linden</u> | *nax ^o ə | <u>light, clear</u> |
| *wəPzəx ^o ə | K <u>to plan, make layout for</u> | *St:ax ^o ə | T <u>ashes</u> |
| *zax ^o ə | <u>oatmeal</u> | *čax ^o ə | K <u>cobra</u> |
| *šax ^o ə | <u>secret</u> | *sax ^o ə | K <u>ashes</u> |
| *š ^o ax ^o ə | <u>plain, steppe, smooth side</u>
<u>of knucklebone/bald</u> | *zax ^o ə | <u>straight, even</u> |
| *č ^o ax ^o ə | <u>pale/bluish, birch-color</u> | *ž ^o ax ^o ə | T <u>oil cakes for cattle</u> |
| *ž ^o ax ^o ə | <u>fan</u> | *š:ax ^o (a) | <u>to buy</u> |
| *č ^h ax ^o ə | <u>wax</u> | *čax ^o ə | <u>debt, loan</u> |
| *lax ^o ə | K <u>feathergrass</u> | *wəlax ^o ə | K <u>rate of pay, salary</u> |
| *k ^h ax ^o ə | K <u>dry twigs</u> | *xax ^o ə | <u>brave, T also sour (fruit)</u> |
| *gax ^o ə | <u>tow-haired</u> | *T ^h ax ^o ə | K <u>husks (after peeling corn)</u> |
| *kax ^o ə | K <u>dawn</u> | | |

*q°ax°a	K	<u>chaff</u>	*max°a	<u>day</u>
*ṣ̌nax°(a)		<u>separate</u>	*max°a	<u>happy</u>
*wex°a	T	<u>to bend, tr.</u>	*nax°a	<u>definite, clear, obvious</u>
*wəx°a	K	<u>to build</u>		

89. Tx°

- *Tx°(a) -- B tf(a)/tx°(a) five (times).
 *Tx°aye -- B tfaye/tx°ay beech, hornbeam.

*x°enTx°e	<u>husk of millet</u>	*weTx°(a)	<u>to thrust, stab, prick</u>
*λenTx°a	<u>artery</u>		

90. Čx°, Šx°

(The two possibilities are not ordered alphabetically. The only certain case of *Čx° is the morpheme bridle and its derivative bit).

- *Čx°a -- B šk:°a/šx°a Be čx°a bridle.
 *Šx°a -- B šk:°a/šx°a Be šx°a large, great.
 *Šx°eʒe -- B šk:°eʒe/šx°eʒ pelvis.
 *Čx°aq°e -- B šk:°aq°e/šx°aq° bit. Cf. *Čx°a.
 *Šx°ale -- B šk:°ale/šx°al udder.

*weŠx°e	T	<u>to spread out, tr.</u>	*g°eŠx°a	<u>(to be) courageous, enthusiastic</u>
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91. Lx°

- *Lx°(a) -- B λf(a)/λx°(a) to give birth, (in)tr., cf. K daλx° brother (of woman).

92. q^h

- *q^ha -- B q^ha/qa grave/cemetery.
 *q^ha^ʔa -- .../qā^ʔa scale of fish.
 *q^ha(m)^ʔa -- T qā^ʔpa/qā^ʔa dandruff, K also husk of grain.
 *q^haPla -- .../qābla stretcher, litter for carrying dead to cemetery (T p̄xāmba).
 *q^haxa -- .../qāxa feeble.

*baq ^h e	K	<u>cow-shed</u>	*weš°arq ^h e	T	<u>to trouble, make muddy</u> (ša-)
*š°arq ^h e	B	<u>troubled (water), stifling</u>			

93. q:

- *q:ə -- .../za-g^oa-đ to loosen, unbutton (collar, shirt) (za-g^oa-joined).
- *q:ə -- T -qə/-đ large, (filled?), T nēba-q/nēba-đ pot-bellied, T ca-mē-q/ḡa-mē-đ with large teeth (*c:a tooth, -mē- prob. connective).
- *q:(a) -- B q:ə/đə to be benumbed, dumbfounded, speechless, S to harden, itr., T ḡa-qə to make blunt, to fill, cram, T pē-qa to make blunt (pē- tip). Cf. also *p^haq:a, *ṡhaq:a.
- *q:(a) -- B ya-q:ə-x/yə-ḡa to swallow/to devour (ya-...-x down, yə- hollow).
- *q:a -- B t^hya-q:a/... to overtake, leave behind (t^hya- on).
- *q:əṡ^oca -- B q:əpca S q:əṡ^ota/ḡəpca plum.
- *q:ələ -- .../ḡəl vjazel' pēstryj (bot.).
- *q:əq:ə -- B q:əq:ə/ḡəḡ to stutter.
- *q:əwə -- .../ḡəw swan.
- *q:ərə -- .../ḡər stony land (unfit for agriculture), rock.
- *q:ap^hə -- .../ḡap sack.
- *q:abə -- B q:abə/ḡab pumpkin (cf? Tu kabak).
- *q:azə -- B q:āzə/ḡāz goose (Tu kaz).
- *q:aPz(a) -- B q:ābza/ḡābza clean, B wəq:abzə/wəḡabz to clean.
- *q:anḡ'a -- B q:ānḡ'a/ḡānḡa magpie.
- *q:ala -- B q:āla/ḡāla town, fortress (Tu kale).
- *q:(a)Pla -- B q:əbla/ḡābla south.
- *q:aq:a -- B q:āq:a/ḡāḡa to cackle, crow.
- *q:aṡḡ^oa -- T qāṡḡ^oa/ḡāṡḡ^oa sky-blue, T also green.
- *q:aye -- B q:aye/ḡa-ḡay to belch (ḡa- hither), B also to hiccup.
- *wəq:aya -- See *wəq:aya.
- *q:ama -- B q:āma/ḡāma dagger (Tu kama).
- *q:ane -- B q:ān/ḡān ward, pupil (cf? Tu kan blood).
- *q:ara -- B q:āra/ḡāra black (of horse) (Tu kara).

- | | | | |
|-----------------------|---|----------------------|---------------------------------|
| *t:əq:ə | back part | *naq:ə | S to flower, bloom |
| *dəq:ə | to stiffen, grow numb | *p ^h aq:a | snub-nosed |
| *saq:ə | (to be) careful | *t:aq:a | stump, thick end, handle |
| *ḡarq:ə | S pole w. branches on which herdsman hang sacks, etc. | *daq:a | hind end |
| *g ^o ərq:ə | vertebra of neck (pṡa-)/protuberance of thorax | *c:aq:a | to bite |
| *q:əq:ə | to stutter | *ḡ ^o aq:a | shoes |
| *ḡaq:ə | duty, obligation | *q:aq:a | to cackle, crow |
| *wəq:ə | to open wide, distend | *Pḡaq:a | self-satisfied/with wide breast |
| *warq:ə | nobleman | *ṡhaq:a | stupid |

94. Pq:

- *Pq:ə -- B pq:ə/pqə framework, (part of) body, stone of fruit, (in compounds:) bone, stalk, K waradə-pq melody, cf. *š^oa.
 *Pq:a -- B -pq:a/-pqa piece of land destined for cereals (K g^oažə-pqa id. for wheat, etc.), T ġ^oənā-pqa/ġ^oənā-pqa boundary (ġ^oənā edge, border).
 *Pq:əš^oa -- B pq:əš^oa/pqəfa well-built.
 *Pq:əğ^oa -- T pqəğ^oa/pqəğ^oa thing, object.
 *Pq:əna -- T pqəna/pqəna (dye made of) henna (cf? Tu kina).
 *Pq:awə -- B pq:awə/pqaw pillar, post.

- | | | |
|-----------------------|--|---|
| *daPq:ə | B <u>wall</u> | for modelling (clothes) |
| *žalPq:ə | <u>chin</u> , B also <u>steep hill</u> | *naPq:ə <u>cheekbone; riverbank</u> |
| *laPq:ə | <u>tribe, clan, kind, sort</u> | *zaPq:(a) <u>(to) straight(en)</u> |
| *PləPq:ə | <u>shoulder-joint</u> | *šəPq:(a) <u>real, genuine, complete</u> |
| *x ^o əPq:ə | B <u>weaving loom; form or frame</u> | *k ^h əPq:(a) <u>stone of fruit</u> |

95. q

- *qa -- B q^oa/?a hand, arm, Š also to touch, tr.
 *qa -- B q^oa/?a (in compounds:) horned cattle, cf. *qas:ʼə, *qax^oa, etc.
 *qa -- B š^hʼə-?a/šə-?a to be there, exist (*š^hʼə- general deixis), T ġā-?a to lift, raise, unfold (banner), open (umbrella), T pə-?a to tear off, itr. (pə- tip), B yə-?a/yə-?a to be a possession of (yə- refers to possessor).
 *qa -- B yə-?a/yə-?a to dye, tr.
 *qəxə -- T ?əxə/?əx to take, receive stg. from sb., T q-ya-?əxə/q^o-ay-?əx id. (*q:ə- hither).
 *qəğ(a) -- B ?əğə/?əğ to be held (B sə-mə-?əğ don't hold me!, sə-p-?əğ you hold me), K xa-?əğa to hold stg. in a mass xa-, tr.
 *qəña -- B ?āñə/?əña part, share.
 *qap^ha -- B ?āp^ha/?apa finger.
 *qab(a) -- B ?āba/?aba to stretch out the hand, itr., K also to steal, tr., T ?ābə hand; to tear off, K ya-?ab to touch, itr.
 *qa(m)pā -- T ?āpa/?ampa thing, goods, wares/bag, pouch, equipment, trifle.
 *qat^hə -- B ?at^hə/?at to take up, lift up.
 *qat^ha -- B ?āt^ha/?ata haystack (larger than *qag^oa).
 *qada -- B ?āda/?ada pincers, tongs.
 *qase -- B lə-?ase/lə-?as to reach to, get to (lə- after).
 *qasa -- B ?āsa/?asa tame, quiet, T also to become silent.
 *qaza -- B ?āza/?aza skilful, master, doctor.
 *qaPşa -- B ?āpşa/?apşa wrist.
 *qas^oə -- B ?as^oə/?af sweet.
 *qas:ʼə -- B ?as:ʼə/?aş enclosure for cattle/cattle.

- *qapč:a -- B ʔāpč:a/... forest-trail, T pa-ʔāpča far, separated. Cf. *qā-
g°a.
- *qas:a -- B ʔās:a/ʔaša tool, weapon.
- *qaza -- B ža/ʔaza sledge.
- *qaza -- T ya-ʔāza/... to hold back, restrain.
- *qala -- T ʔāla/ʔala mitts, gloves.
- *qanla -- B ʔānla/ʔanla trough (for dough).
- *qale -- T ʔāle/ʔal wild (opposite of *qasa tame).
- *qapla -- T ʔābla/ʔabla arm, forearm.
- *qapʎ(a) -- B ʔāpʎe/ʔapʎa embrace, K also armful.
- *qaga -- B ʔāʒ'-ey/ʔaga handful, many.
- *qaska -- T ʔāška/ʔaška lump, (snow)ball.
- *qapga -- T ʔābga/... wattle-made drying-rack for corn, etc.
- *qag°e -- T ʔāg°e/... courtyard (T also šāg°e).
- *qag°(a) -- B ʔag°e/ʔag° palm of hand, B ʔāg°a/ʔag°a small haystack/handful.
- *qapga -- .../ʔabga herd of beef-cattle.
- *qax°e -- T ʔax°e/... bracelet (K ʔa-pša-x°).
- *qax°a -- B ʔāx°a/ʔax°a herdsman of cattle.
- *qapx°a -- .../ʔapx°a to move to another place.
- *qag°a -- T ʔāg°-aw, pa-ʔāg°a/ʔag°a nearby. Cf. *qapč:a.
- *qapg°a -- T ʔābg°a/... piece (of cloth, leather, etc.).
- *qaya -- B ʔāya/ʔay bad, B also ugly.
- *qana -- B ʔāna/ʔana small three-legged table.

- | | | | |
|-----------|-----------------------------------|------------|------------------------|
| *Pseqa | <u>wet/wetness, moisture</u> | *g°(a)qa B | <u>to hurry</u> |
| *čh'(a)qa | <u>to put up with, withstand</u> | *weqa | <u>to wound</u> |
| *čeqa | <u>cold (noun)</u> | *naqa | <u>attention, care</u> |
| *g°eqa | <u>to worry, care/grieve, sob</u> | | |

96. š

- *š(a) -- B še/še net, fishing net, web, B baʒ'ē-še/bage-š spider-web,
B še/... to knit, tr., B ša/za-re-ša to knit, B itr.
- *šeza -- T šeza/šeza to hurry/to be bold, decisive, frenzied.
- *šega -- .../šega-bz girl (-bz female).
- *šeye -- .../šey excitement, fury.
- *šeya -- B šeya/šay to move, make movements.
- *šewe -- B šewe/... grey shrike, T jay.
- *šat^ha -- B šāt^ha/šāta (nothing) special, important/(not) a bit (used in
negative expressions only).
- *šaxa -- T šāxa/... boastful.
- *šare -- T šare/šar grating, K also lace.

*č ^h erxə	K	<u>to touch</u>	*səxa	<u>crystals (of snow, sugar)</u>
*č ^h erxə		<u>thin, transparent (fabric)</u>	*la ^h axa	<u>(to) hobble</u>
*č ^h arxə		<u>wheel</u>	*xaxa	T <u>boastful</u>
*wəma ^h xə	T	<u>to bless, to baptize</u>	*gaxa	<u>to do, accomplish</u>
*p ^h erx(a)		<u>(to) snore</u>	*gaxa	T <u>to curse, tr.</u>
*p:a ^h axa		<u>steam</u>	*ma ^h axa	T <u>sharp pain due to inflammation of nerve</u>
*c:a ^h axa		<u>w. wide-spaced teeth</u>		

97. P^h

- *P^hxə -- T p^hxə/p^hxə carrot.
- *P^hx(a) -- B p^hxə/p^hxə to strew, scatter, sow by strewing, tr., T xa-p^haxa/
xa-p^haxa to strew into, tr.
- *P^haxa -- B p^haxa/p^haxa wood, (in compounds:) tree; material for stg.; means, instrument.
- *P^hxap^ha -- B p^hxap^ha/... small stick.
- *P^haxə -- T p^haxə/... lot, fate.
- *P^haxa^h -- T p^haxa^h/... bedbug.
- *P^haxap^hsə -- B p^haxap^hsə/p^haxaps plane (tool).
- *P^haxa^hsa -- B p^haxa^hsa/p^haxa^hsa weaver's comb.
- *P^haxa^h:^oə -- T p^haxa^h:^oə/p^haxav rafter/brace between rafter and beam.
- *P^haxa^h:^oa -- T p^haxa^h:^oa/p^haxafa treebark.
- *P^haxa^hh^ha -- B p^haxa^hh^ha/p^haxa^hsa rough, tough, spirited.
- *P^haxa^hh^ha -- T p^haxa^hh^ha/p^haxa^hsa brittle, fragile.
- *P^haxa(m)Pla -- T p^haxa(m)bla/p^haxabla stretcher on which the dead are carried to the grave, T also transport of the dead on horses.
- *P^haxan^h(a) -- B p^haxan^h:^ha, p^haxan^h:^hə/p^haxan^h to sweep, itr. and tr.
- *P^haxaxə -- B p^haxaxə/p^haxax file (tool).
- *P^haxaxə -- T p^haxaxə/p^haxax to open, uncover (a straw roof).
- *P^haxak^h:^oə -- T p^haxak^h:^oə/p^haxak^h heart of tree/timber.
- *P^haxaš^h:^oə -- .../p^haxaš^h:^o wooden ring at end of rope for tying up fast (also p^haxaš^h:^o, p^haxaš^h:^o, originally prob. "wood-squeeze").
- *P^haxax^h:^oə -- Š p^haxafe/... birch.
- *P^haxaP^haxa -- T p^haxap^haxa/... crumbly, to crumble.
- *P^haxaq:^oa -- .../p^haxaq:^oa torch.
- *P^haxax^h:^oa -- B p^haxax^h:^oa/p^haxax^h:^oa rasp.
- *P^haxa(m)(P)g^h:^oə -- B p^haxambg^h:^oə/p^haxa(m)bg^h:^o board, plank, Š also p^haxag^h:^o.
- *P^haxana -- T p^haxana/... square on chessboard.
- *P^haxarə -- B p^haxarə/p^haxar alarm, pursuit, chase. Cf. *P^haxarə.

*P ^h čəP ^h xə	K	<u>liar</u>	*č ^h axP ^h xə	<u>small shot</u>
*g ^h axP ^h xə		<u>to pour boiling water over stg. (ga-)</u>	*č:aP ^h xə	<u>to dry up, dry out</u>

*kaP̥xə	<u>squirrel</u>	*x ^o əP̥xa	K <u>rolling-pin</u>
*PzəP̥xa	<u>pattern (for cutting)</u>	*P̥xaP̥xa	T <u>crumbly, to crumble</u>
*g ^h aP̥xa	<u>measure, size, example</u>	*q: ^o əP̥xa	<u>form, mold, shoe-tree</u>
*(P)kəP̥xa	<u>small toothed wheel for cutting dough</u>	*x ^o əP̥xa	<u>talented, having aptitude</u>

98. T̥x̥

- *T̥x̥(a) -- B t̥x̥e/t̥x̥e to scratch, B ġa-t̥x̥e/t̥x̥e to peel ears of corn, B also to harrow, T xa-t̥x̥e/xa-t̥x̥ to tear (out), K xa-t̥xa to tear apart (xa- mass).
- *T̥xa -- B t̥xa/t̥xa to prosper, live in abundance.
- *T̥x̥eT̥x̥e -- B t̥x̥et̥x̥e/t̥x̥et̥x̥ to hurry.
- *T̥x̥ax^oa -- .../t̥x̥āx^oa husks (after peeling corn).

*zanT̥x̥e	<u>oats</u>	*p ^h aT̥xa	B <u>ragamuffin</u>
*lanT̥x̥e	T <u>to be torn (off)</u>	*ç: ^o ə(n)T̥xa	B <u>to tear up</u>
*kanT̥x̥e	K <u>remains on bottom</u>	*PlanT̥xa	T <u>shoulder w. leg (of animal)</u>
*T̥x̥eT̥x̥e	<u>to hurry</u>	*k ^h aT̥xa	<u>to tear or be torn to shreds</u>
*q: ^o anT̥x̥e	<u>spoils, trophy</u>		

99. S̥x̥

- *weS̥x̥enda -- T wes̥x̥enda/... to let oneself go, become shabby.

*taS̥xa	(to become) <u>weak/unstable</u> , Be <u>secret</u>
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100. Š̥x̥

- *Š̥x̥e -- Š̥ ġa-š̥x̥e/ġa-š̥x̥ to move down, bend down, incline, tr.
- *Š̥xa -- Š̥ š̥xa/... small, tiny, T š̥x̥āš̥xa to be smashed to smithereens.
- *Š̥x̥eš̥x̥e -- .../š̥x̥eš̥x̥ to rustle, crackle.
- *Š̥x̥aye -- T š̥x̥aye/... small (potatoes, change, etc.). Cf. *š̥ğaye.
- *Š̥x̥ara -- .../yē-š̥x̥ara north (cf. *š̥x̥e; yē- poss. 3rd pers. possessive).

*š̥x̥eš̥x̥e	K <u>to rustle, crackle</u>	*čəš̥xa	T <u>to glitter, sparkle</u>
*naš̥x̥e	<u>sad/stern, angry glance</u>	*kaš̥x̥(a)	K <u>poor, meagre; in small pieces</u>

101. ġ

- *ġe -- T š̥'e-ġe/š̥e-ġ to be worn by sb. (of clothes) (*š̥^h'e- location).

- *š(a) -- B ša/še to weep, T tya-ša/tay-ša to weep over, bewail (*t^hya-on).
- *ša -- B ša/ša year, season, T also summer.
- *ša -- B ša-/ša- causative prefix; petrified in several stems, cf. *šaza, *šaza, etc.
- *ša -- B -ša/-ša suffix for nomina actionis and abstracta; also in names of products, cf. *Pzeša, *šaša, etc., for which cf. also *-ša past tense.
- *šəPza -- B šəbza/šəbza lament (song).
- *šasa -- B šāsa/šāsa mowed harvest (uncollected or unthreshed), B also wagonload of mowed grain.
- *šaze -- T ya-šaze/ya-šaz to force, compel sb. to do stg.
- *šaza -- T šāza/šāza to turn, spin, tr., K also turn(off)
- *šaza -- T š^oa-šāza/fa-šāza measles (*š^oa skin). Prob. to preceding item.
- *šaza -- T pe-ša-za-n/pe-šāza to solder stg. to stg., tr. (pe- tip).
- *šaša -- B šāša/šāša life(time).
- *šaz^oa -- B šāz^oa/šāva grain harvested, T millet.
- *šač^hə -- T šaš^hə/šāš milk, milk products.
- *šač:ə -- T xa-šače-ša-r/xa-šaž excision, carving/to cut out (of a mass xa-) (-ša past, -r absolute), K pe-šaž to cut off from the front pe-.
- *šaPla -- B šābla/šābla hunger, famine, K also crop failure.
- *šaP^la -- T šāp^la/... to compress, to iron (originally poss. fold in four).
- *šaTxa -- B šātxa/šātxa spring (season).
- *šaša -- T šāša/šāša to do, accomplish, tr., T šaxā-ša success.
- *šaša -- T šāša/... to curse, tr.
- *šaša -- B q:a-šāša/qa-šāša to flower, bloom (*q:a- hither).
- *šaš^oa -- T ye-šaš^oa-n/ye-šāš^oa to pour in (ye- hollow, container).
- *šaš^oə -- B šāš^oə/šāš^o to have mercy.
- *šaya -- B šāya/šay to mourn, lament.
- *šaya -- .../šay failure of crops, famine.
- *šana -- .../šāna what is mowed off with one sweep of the scythe (cf? B haršan mowed-off row).
- *šare -- B šare/šar prisoner.

*derše	T <u>to sting (w. words), abuse</u>	*daša	<u>lard, fat</u>
*čerše	Š <u>snail</u>	*taša	K <u>to put on, dress</u>
*zaše	<u>becoming (of clothes)/easily digestible</u>	*saša	<u>bee bread/larvae and pupae of bees</u>
*ke(r)še	<u>to squeak, creak</u>	*Psaša	T <u>target (in shooting)</u>
*š ^o erše	<u>kingpin of cart</u>	*Pzeša	<u>slice, piece</u>
*šeše	<u>to be held</u>	*Pzeša	<u>clear (about night)</u>
*q: ^o əše	K <u>to howl (as dogs)</u>	*zaša	<u>to come to rest</u>
*t:əša	<u>sun</u>	*Pzaša	B <u>wrong (inner) side of textile</u>

*šağa	(round) <u>braid</u> , T also <u>wick</u>	*kağa	K <u>fog</u>
*ž°əğa	T <u>mass, multitude</u>	*g°əğa	<u>hope</u> , K also <u>opinion</u>
*šh°əğ(a)	<u>beads</u>	*ğağa	<u>to flower, bloom</u>
*Pž°əğa	<u>grease-stain on clothing</u>	*q°ağa	<u>raven</u>
*Pč:(a)ğa	<u>number, quantity</u>	*q°ağa	K <u>corner, space behind stg.</u>
*leğa	<u>forest- or steppe-fire</u>	*yağa	<u>rash, pimple/fault</u>
*lağa	T <u>plate, dish</u>	*wağa	<u>ribbon, lace, braid</u> , T also <u>to braid, weave</u>
*Plağa	<u>near, close (as relative)</u>	*wağa	T <u>to churn (butter)</u>
*Plağa	B <u>bead</u>		

102. Pğ

*Pğa	-- B bğa/bğa <u>to cover a roof with straw, tr.</u>
*Pğa	-- T ya-bğa/... <u>to take offense at, carry a grudge about</u> (subject g°e <u>the heart</u>).
*Pğa	-- B bğa/bğa <u>breast</u> .
*Pğa	-- B bğa/bğa <u>eagle</u> , T also <u>kite</u> .
*Pğa	-- B bğa/bğa <u>barren, dry (of cows)</u> .
*Pğag°e	-- B bğag°e/bğag°e <u>brisket, thorax</u> .
*Pğaqa:a	-- T bğaqa/bğaqa <u>self-satisfied/with wide breast</u> .
*Pğašx°a	-- T bğašx°a/bğašx°a <u>hawk/steppe-eagle</u> .

*phapğa	K <u>eager, burning w. desire</u>	*hapğa	S <u>divan</u>
*ž°əPğa	<u>wind</u>	*naPğa	<u>near-sighted</u>
*qapğa	K <u>herd of beef-cattle</u>		

103. Šğ

*Šğerbe	-- T žğerbe/žğereb <u>wild grape/gooseberry</u> (K also šğereb).
*Šğaye	-- T žğaye/žğay <u>small (potatoes, change, etc.)</u> (T also šğaye, K also žğež).

*pešğe	K <u>smithereens</u>	*wešğ(a)	<u>to peel, pearl (barley)</u>
*našğe	<u>eye-socket</u>		

104. qh°

*qh°e	-- B qh°e/qh°e <u>to break wind</u> (qh°e <u>hither</u>).
*qh°a	-- B qh°a/qh°a <u>pig</u> .
*qh°eza	-- .../qh°ezā-na <u>sieve</u> (na <u>eye</u> , here a formative).
*qh°eže	-- B qh°eže/qh°ež <u>pear</u> .
*qh°ela	-- .../qh°ela <u>thick sediment, dregs</u> .

- *q^həla -- B q^həla/... stalks and leaves (of melons, beets, potatoes, etc.).
 *q^həñ(a) -- B q^həñə T q^həñ/q^həñ boat, ship.
 *q^həş^oa -- B q^həş^oa/q^həfa boat.
 *q^həş^oa -- B ħa-q^həş^oa/q^həfa dog's ħa feeding trough/gutter, trough.
 *q^həya -- B q^həya/q^həy cheese.

- | | | | |
|-----------------------------------|----------------------|--------------------------------------|--|
| *kaq ^h ə | K <u>cock of gun</u> | *Txaq ^h a | Ş <u>shady side of mountain</u> |
| *yaq ^h ə | <u>cud/entrails</u> | *x ^o ə(r)q ^h a | <u>chaff</u> |
| *č ^h aq ^h a | <u>bread</u> | *ħaq ^h a | <u>water-trough for cattle</u> |
| *čəq ^h a | B <u>badger</u> | *wəq ^h a | <u>to whirl up, to destroy, be destroyed</u> |
| *xəq ^h a | <u>porpoise</u> | | |

105. q:^o

- *q:^oə -- .../q^oə to thrash, beat.
 *q:^oə -- B yə-q:^oə/q^oə to fill up (e.g. a sack with flour).
 *q:^oə -- T ya-q^oə/yə-r-əy-q^o it suffices/to be content, satisfied with stg., T yə-q^o-č^ha/yə-q^o-ka very, fully (-č^ha instrumental).
 *q:^oə -- B ya-q:^oə/ya-q^o to push, pull.
 *q:^o(a) -- .../q^oə to stretch (e.g. a skin), tay-q^oa to pull stg. over stg.; ^{cover, case.}
 *q:^oə -- .../q^oə handle, haft, knob of door, cf? also K pħa-q^o contraption to prevent cow from sucking itself (pħa wood).
 *q:^o(a) -- B č^ha-ğā-q:^oa/şā-ğā-q^oa to prop up, support, K xabza-şā-q^o one who upholds the tradition, K k^oə-q^o crossbeam (*č^ha- under, *xā-pza tradition, *k^hə middle).
 *q:^oa -- B q:^oa/q^oa son.
 *q:^oa -- B q:^oa/q^oa mountain-valley, ravine.
 *q:^oəthə -- B q:^oəthə/q^oəta to smash, break up, chop.
 *q:^oərtə -- B č^h:at:-q:^oərtə/q^oərt brood-hen (*č^h:at:ə chicken).
 *q:^oəz(a) -- B q:^oəzə/q^oəz to compress, T č^ha-q^oəza/şā-q^oəza to pull fast (as belt).
 *q:^oəpħa -- .../q^oəpħa form, mold, shoe-tree.
 *q:^oəğə -- .../q^oəğə to howl (as dogs).
 *q:^oəşħa -- T q^oəşħa/q^oəşħa mountain, K also Balkar, Ossete.
 *q:^oəpşħa -- B q:^oəpşħa/q^oəpşħa bone, K şħa-q^oəpşħa skull.
 *q:^oəye -- B q:^oəye/q^oəy mangy.
 *q:^oəra -- B q:^oəra/q^oəra dried-out stalks, dried grass/rough (as hide).
 *q:^oəp^h(a) -- B q:^oəp^hə T q^oəpā/q^oəpā corner (e.g. of table), angle, Ş twig, *wana-q:^oəp^ha pommel of saddle.
 *q:^oədə -- B q:^oədə/... stubborn.
 *q:^oa(n)chə -- B q:^oənc^ha/q^oəca branch with twigs/branchy.
 *q:^oəpča -- B q:^oəpča Ş q^oəpşa/q^oəpča dark-haired, swarthy, K also lean.
 *q:^oəpse -- B q:^oəpse/q^oəps handle, haft, ear (of vessel)/rhizome.

- *q:°a(n)čh'a -- B q:°āšh'a/č'°ānša crooked.
- *q:°až'a -- B q:°āž'a/č'°āža village, aul.
- *q:°ačh'e -- B q:°ačh'e/č'°aš brother, B also relatives.
- *q:°anča -- B q:°ānča/č'°ānša jackdaw/rook.
- *q:°aλa -- B q:°āλa/č'°āλa to be turbulent/to boil, itr.
- *q:°ala -- T q°ala-žə/č'°āla raven/crow (žə old, here hypocoristic).
- *q:°ak:°a -- T q°āk°a/č'°āg°a hornless/one-horned, one-eared, asymmetrical.
- *q:°ax°e -- .../č'°ax° (color of oxen:) black w. light horns, light grey a-round nose.
- *q:°antxə -- B q:°antxə/č'°antx spoils, trophy.
- *q:°ağa -- B q:°āğa/č'°āğ raven.
- *q:°ağa -- .../č'°āğ corner, space behind stg. Cf. next item.
- *q:°ağ°e -- B q:°ağ°e/... corner. Cf. preceding item.
- *q:°ağ°e -- B q:°ağ°e/č'°ağ° skinny, lean.
- *q:°ayə -- T q°ayə/č'°ay 8th/3rd year of 12-year animal cycle (cf? Tu koyun sheep; there must be an error in the numbering in Kardanov 1957 as the 3rd year is also given as K želān, which is the 6th in T ž'elān, cf. Tu yılan snake).
- *weq:°aya -- T ḡa-weq°āya/weq°ay to remove feathers with boiling water/to moult (T weqaya-n to moult).
- *q:°ama -- Š q:°āma/... twig.
- *q:°ane -- B q:°ane/č'°ane-ž a kind of mint (wood betony).

- | | | | |
|------------------------|--|--------------|---|
| *baq:°e | <u>furrow/boundary between two plots</u> | *Pzaq:°a | <u>horn (of cattle)</u> |
| *g°aq:°e | <u>bald</u> | *Pš:°eq:°a | <u>husband's brother</u> |
| *š:°eq:°e | <u>vessels, plates and dishes</u> | *λaq:°a | <u>leg</u> |
| *k ^h °eq:°e | K <u>crossbeam</u> | *Plaq:°a T Š | <u>to cool off</u> |
| *Tḥaq:°e | <u>to steal/confiscate, abduct</u> | *λaq:°a | <u>clan/sworn brother</u> |
| *maq:°e | <u>hay</u> | *Pḡeq:°a | <u>crossbeam</u> |
| *baq:°a | <u>to step, stride</u> | *Pḥaq:°a K | <u>torch</u> |
| *tḥaq:°a | <u>to strew</u> | *ḥaq:°(a) | <u>to bark/to make noise</u> |
| *t:erq:°a | <u>scar</u> | *Tḥarq:°a | <u>pigeon, dove</u> |
| *Tq°a(r)q:°a | <u>bifurcation/dual, in two</u> | *weq:°(a) | <u>top part drops down, ḡḥa-to doze</u> |
| *zaq:°a | <u>lonely, (a)lone</u> | *neq:°a | <u>half; to be in need of</u> |

106. č'°

- *č'°e -- B ʔ°e/ʔ°e (cavity of the) mouth; orifice.
- *č'°e -- B ye-ʔ°e/ye-ʔ° to stick, put into (a hollow ye-), tr., B pḥe-ʔ°e/pe-ʔ° to stick onto (*pḥe- tip).
- *č'°(a) -- B q:a-ʔ°e/č'a-ʔ° to resound, be heard, spread (of rumor) (*q:a-hither), B ʔ°a/ʔ°a to speak/to sing, crow (of birds).
- *č'°a -- B ʔ°a/ʔ°a pen, fold (for cattle)/wattle fence of id.

- *q^oa -- B ʔ^oa/ʔ^oa to thresh, itr. and tr., T ʃ^oa-ʔ^oa-ca/fa-ʔ^oa-ʒa implement for softening leather (*ʃ^oa hide, *c:a tooth).
- *q^oa -- B -ʔ^oa/-ʔ^oa suffix -ish with color names.
- *q^oəp^ha -- B ʔ^oəp^ha/ʔ^oəpa mouth, lips.
- *q^oəbe -- T ʔ^oəbe/ʔ^oəb gulp/to gulp.
- *q^oəbe -- T ʔ^oəbe/ʔ^oəb to overturn.
- *q^oə(m)pa -- T ʔ^oəpa/ʔ^oempa bridle, reins.
- *q^oəda -- B ʔ^oəda/ʔ^oəda flounce, frill, fringe/lace (in the verb B K ʔ^oəda to sew on, ʔ^oə- has the status of a prefix).
- *q^oəse -- B ʔ^oəse/ʔ^oəs food, feed.
- *q^oəsa -- B ya-ʔ^oəsa/ya-ʔ^oəsa to touch.
- *q^oəpse -- B ʔ^oəpse/ʔ^oəps spittle.
- *q^oəza -- .../ʔ^oəza crooked; narrow, flat.
- *q^oəʃ(a) -- T ʔ^oəʃə-ŋa-n/ʔ^oəʃa to build (as dam)/dam.
- *q^oəpʃa -- B ʔ^oəpʃa/ʔ^oəpʃa lips, K ʔ^oəpʃa ʃen to purse one's lips (to show contempt) (ʃen to make).
- *q^oəʃ^oa -- B ʔ^oəʃ^oa/ʔ^oəfa shore, bank, edge.
- *q^oəʒ^oe -- B ʔ^oəʒ^oe/ʔ^oəv thick (layer, fluid), fat (person).
- *q^oəč^ha -- T ʔ^oəš^ha/ʔ^oəša with crooked mouth/crooked, bent.
- *q^oə(n)č^h(a) -- B ya-ʔ^oəč^ha/ʔ^oənʃa, ya-ʔ^oənʃ to push, shove.
- *q^oəPč^h(a) -- B ʔ^oəpč^ha/ʔ^oəpʃ articulate, clear, distinct. Cf. *ʒ^oəPč^ha.
- *q^oəPč^ha -- B ʔ^oəpč^ha/ʔ^oəpʃa layer/piece, portion, B txə-ʔ^oəpč^ha/txə-ʔ^oəpʃa vertebra (txə backbone).
- *q^oəč(a) -- T wə-ʔ^oəčə/ʔ^oəʃa to cut, hew, trim.
- *q^oəš:e -- B ʔ^oəš:e/ʔ^oəš smart, intelligent, B wə^oəš:e to instigate.
- *q^oəPɭa -- T ʔ^oəpɭa/ʔ^oəpɭa-ğ^oa glance, look.
- *q^oəla -- T ɣa-ʔ^oəla/ɣa-ʔ^oəla to fool/to tempt, seduce.
- *q^oəɭ(a) -- B ʔ^oəɭa/ʔ^oəɭa, ya-ʔ^oəɭ to tack, stitch, rivet.
- *q^oənke -- T ʔ^oənč^h-e-bza/ʔ^oənke-bza lock, T also key.
- *q^oəɭxa -- T pa-ʔ^oəpɭa/ʔ^oəpɭa apron.
- *q^oək^ha -- T ʔ^oək^ha/ʔ^oək^ha plug, spigot.
- *q^oə(P)χ^oa -- B ʔ^oəχ^oa T ʔ^oə(p)χ^oa, pa-ʔ^oəχ^oa/ʔ^oəχ^oa curtain.
- *q^oəʃχ^oa -- B ʔ^oəʃχ^oa/... shrew, termagant. Cf? *q^oaʃχ^oe.
- *q^oəğ^oa -- B ʔ^oəğ^oa/ʔ^oəğ^oa smoke.
- *q^oəʃɳa -- B ʔ^oəʃɳa/ʔ^oəʃɳa poppy.
- *q^oəya -- T ʔ^oəya/ʔ^oay foot-and-mouth disease.
- *q^oəna -- B ʔ^oəna/ʔ^oəna nail.
- *q^oəthə -- B ʔ^oəthə/ʔ^oat to knead, rub (esp. leather).
- *q^oəth^ha -- B ʔ^oəth^ha/ʔ^oāta to tell, report/to announce, make known.
- *q^oa(ʔ/n)ta -- B ʔ^oānta/ʔ^oānta to bend, distort/to turn, wind, K xa-ʔ^oā(n)ta to screw, drill in (xa- mass).
- *q^oəg^oe -- T ʔ^oəg^oe/ʔ^oəg^o house-serf/homestead.

- *q°ax°e -- B °afe/°ax° affair, business.
 *q°ax°a -- .../°ax°a chaff.
 *q°ax°e -- T °ax°e/... to make a slip in speaking.
 *q°as°x°e -- .../°as°x° raving, delirium. Cf. *q°es°x°a.
 *q°as°ha -- B °as°ha/°as°ha barrow/hill.
 *q°aye -- T °aye/°ay to bleat.

*wepaq°e	B	<u>to pluck (a bird)</u>			<u>bride's headdress</u>
*Pseq°e		<u>riverbank</u>	*maq°e		<u>shield</u>
*s°aq°e		<u>(to turn) sour</u>	*naq°e		<u>face</u>
*c°eq°e		<u>buttons, fastening</u>	*ph°eq°a		<u>cap, hat</u>
*c°eq°e		<u>upper part, top side</u>	*beq°(a)		<u>misshapen</u>
*sh°aq°e		<u>to moan</u>	*daq°(a)		<u>to listen, obey</u>
*Pla°aq°e		<u>upper back, shoulders</u>	*Ps:°eq°a		<u>temporary lodging</u>
*g°aq°e	T	<u>likable (person)</u>	*Pz°aq°a		<u>bee-garden</u>
*Cx°aq°e		<u>bit</u>	*laq°(a)		<u>to request</u>
*haq°e	T	<u>mushroom</u>	*weq°(a)		<u>to peck</u>
*Thaq°e	T	<u>boot-top</u>	*naq°a		<u>well-known, K also distinct,</u> <u>T also give oneself airs</u>
*Sha°aq°e		<u>top edge/front part of</u>			

107. x°

- *x°e -- B x°e/x°e to graze, B ga-x°e/ga-x° to pasture, put to graze.
 *x°e -- B -x°e/x°e male.
 *x°e -- B -x°e/-x° collar, chain, cf. *Psa°x°e, *la°x°e, etc.
 *x°(a) -- B x°(a)/x°(a) to ripen, grow, increase, become, happen, be (present) (usually x°e, but cf. K xa°x°a profit, etc.).
 *x°(a) -- B -x°(a)/-x°(a) wrong, cf. *da°x°e, *sa°x°e, etc., T da-wenāx°a to be ruined together with da- sb., K °ag°āx°a clumsy.
 *x°a -- B x°a-ž°e/x°a-ž° to (ex)change (-ž°e/-ž° back, again, as previously, re-).
 *x°a -- B x°a/x°a to file, rub, itr. and tr.
 *x°a -- .../x°a to full (cloth), itr. and tr.
 *x°a -- See *(P)x°a.
 *x°ep°he -- .../x°ep° to lap up, tr.; large wooden spoon.
 *x°es°t°e -- T pe-x°es°te/... to fly off (as wheel from axle) (pe- tip), T ye-x°es°te to jump out (ye- hollow space).
 *x°ep°ce -- B x°ep°ce/... to itch.
 *x°es°a -- T x°es°a/x°es°a to quarrel, swear, grumble.
 *x°es°a -- T x°es°a/... to prance (of horse).
 *x°eč°h°a -- T x°eš°a/x°eša mass, multitude, K also herd.
 *x°e(n)č°a -- B x°eč°a/x°en°ša to rob, itr. and tr., T x°enč°a raid.

- *x°əla -- B q:-ya-x°əla/q'-ay-x°əla to succeed, come off, T to happen to sb. (*q:- hither).
- *x°əPga -- T x°əbga/... (cattle) for breeding.
- *x°əPq:ə -- B x°əpq:ə/... weaving loom; form or frame for modelling (clothes).
- *x°əPxa -- B x°əpxa/x°əpxa talented, having aptitude.
- *x°əma -- B x°əma/x°əma to protect, save, spare.
- *x°əne -- .../x°ən meadow grass.
- *x°ən(a) -- B x°əna T x°əne/x°ən moth.
- *x°at^ha -- B x°at^ha/... ravine, gully.
- *x°at:ə -- B x°at:ə/... blizzard.
- *x°aPs(a) -- B x°āpsa/x°āpsa, ya-x°aps to desire, fall in love with, be keen on, envy, itr.
- *x°(a)ke -- T x°ac'ə/tay-x°ək to rub, damage by rubbing (tay- surface), K pxere-y-x°ək to be worn into holes (pxe-re- through).
- *x°ake -- B za-x°ac'ə/za-x°ak to (ex)change (za- reflexive-reciprocal).
- *x°aPSke -- T qa-x°ap(s)č'ə/x°apsk to flash (of lightning), K also lightning. (Cf? B pč: 'əč' a lightning).
- *x°aška -- .../x°āška spark.
- *x°ak'a -- B x°āk'a/x°āk'a to pasture, itr.
- *x°ax°(a) -- .../x°āx°a to pronounce a toast or congratulation, x°ax° toast, congratulation.
- *x°aye -- T x°aye/... in abundance.
- *x°awe -- T x°awe/... deep ravine.
- *x°ana -- B x°āna/x°āna, ya-x°an to curse, use expletives (to), T x°ane/x°an expletive.
- *x°are -- .../x°ar parable.

- | | | | |
|-----------------------|-------------------------------------|------------------------|------------------------------------|
| *be ^h x°e | <u>wide (clothes, opening)</u> | *na ^h x°e | <u>wide (mesh)/big-eyed</u> |
| *da ^h x°e | T <u>to make a wrong choice</u> | *p ^h erx°a | K <u>corridor, porch</u> |
| *sa ^h x°e | <u>spoiled (as child)</u> | *t ^h ax°(a) | <u>to scratch</u> |
| *Psa ^h x°e | <u>chain/collar</u> | *Pse ^h x°a | <u>riverbed, channel</u> |
| *č ^h ex°e | <u>gelding</u> | *č ^h ax°a | <u>to creep, slide</u> |
| *č:ax°e | <u>to run the wrong way</u> | *č ^h (a)x°a | <u>herdsman of horses</u> |
| *ža(r)x°e | <u>chatterbox/coarse, boor</u> | *Pč ^h ax°a | <u>sand</u> |
| *la ^h x°e | <u>fetters</u> | *lə ^h x°(a) | <u>to look for</u> |
| *la ^h x°e | <u>trot</u> | *k:°ax°a | <u>pitchfork</u> |
| *Pla ^h x°e | T <u>to get wrong information</u> | *q ^h ax°a | <u>herdsman of cattle</u> |
| *g°e(r)x°e | <u>(mortar for) crushing millet</u> | *Pxa ^h x°a | <u>rasp</u> |
| *q ^h ax°e | T <u>bracelet</u> | *ga ^h x°a | <u>to pour in</u> |
| *q°ax°e | T <u>to make a slip in speaking</u> | *q:°e ^h x°a | See *q:°e(P)x°a |
| *ha ^h x°e | Š <u>fig</u> | *x°ax°(a) | <u>(to pronounce) a toast</u> |
| *wa ^h x°e | B <u>to err, miss a target</u> | *g°ax°a | <u>to howl, roar, holler</u> |
| *me ^h x°e | <u>unripe</u> | *we ^h x°a | <u>easy to split/to limb (-nš)</u> |

108. Pǎ°

- *Pǎ°ə -- B pǎ°ə/pǎ°ə daughter.
 *Pǎ°(a) -- B pǎ°a/pǎ°a to grasp, snatch, itr., K pə-pǎ° to cut off or take away quickly, tr. (pə- tip).
 *(P)ǎ°a -- B t^hya-ǎ°a/tay-pǎ°a to cover, B t^hya-(p)ǎ°a/tay-pǎ°a cover (table-cloth, etc.).
 *(P)ǎ°amba -- T ʔa-, ʎa-ǎ°amba/ʔa-, ʎa-pǎ°amba finger, toe (ʔa hand, ʎa foot).
 *Pǎ°at^h(a) -- B pǎ°āt^ha/pǎ°āta to grasp, seize, tr., K xa-pǎ°at id. out of a mass xa-.
 *Pǎ°ant^ha -- B pǎ°ānt^ha/pǎ°ānta trunk, chest.

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|--|--|
| *ʔaPǎ°ə T <u>girl in rel. to wet-nurse</u> | *ǎaPǎ°a K <u>haystack</u> |
| *Pš: ʔPǎ°ə <u>husband's sister</u> | *q: ʔ(P)ǎ°a <u>curtain</u> |
| *č ^h aPǎ°ə <u>sister</u> | *wəPǎ°ə T <u>to touch up, rectify, to cut (hair)</u> |
| *p ^h aPǎ°a K <u>haystack</u> | |

109. Tǎ°

- *Tǎ°ə -- B tǎ°ə/tǎ°ə butter, B š^hʔə-tǎ°ə/ʂə-tǎ° to praise, flatter, itr. (*š^hʔə- general deixis).
 *Tǎ°(a) -- B tǎ°(a)/tǎ°(a) to dig, scrape asunder, rake, (in)tr.
 *Tǎ°(a) -- .../tǎ°ə to grow grey (of hair), B tǎ°a/tǎ°a to grow grey (of hair), dun (color of horse)/grey (of horse).
 *Tǎ°a -- T da-tǎ°a/tǎ°a to quickly stick one's hand into stg. (box, etc.)/to sidle, rush from side to side, gallop.
 *Tǎ°e^r/mba -- T tǎ°erba/tǎ°eremba foam.
 *Tǎ°e(n)č^ʔ(a) -- B tǎ°eč^ʔa/tǎ°eňš to scrape, plane.
 *Tǎ°əla -- B tǎ°əla/tǎ°əla butter-dish.
 *wəTǎ°əTǎ°ə -- Š wəTǎ°əTǎ°ə/... to beat (as eggs, cream).
 *Tǎ°əye -- .../tǎ°əy (bot.) polygonum convolvulus.
 *Tǎ°əPlə -- T tǎ°əplə/... red-haired.
 *wəTǎ°əya -- Š wəTǎ°əya/... to get covered with mould.

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|--|--|
| *seTǎ°ə K <u>hoar-frost</u> | *ʎanTǎ°(a) <u>filament, combing/pole with branches</u> |
| *wəTǎ°əTǎ°ə Š <u>to beat (eggs, cream)</u> | |
| *čanTǎ°a <u>to scrape/to slide</u> | *wəTǎ°a <u>to become turbid, muddy</u> |

110. Šǎ°

- *Šǎ°ə -- B šǎ°ə/... burdock.
 *Šǎ°a -- T ǵā-šǎ°a/... to temper, harden.
 *Šǎ°a -- B šǎ°a/šǎ°a sorcery, T mischief.

- *šx°a -- B šx°a/šx°a grey, grey-blue.
 *šx°eñ(a) -- B šx°añe T šx°eña/šx°eñ sorcery/poison.
 *šx°a(n)t(a) -- B šx°anta Š šx°ata/šx°anta (electric) blue, also "blue from cold", Š green, K wə-šx°ant to become blue.
 *šx°are -- T šx°are/... alarm, pursuit, chase (with a posse). Cf. *Pšare.

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|-------------------------------------|--|
| *z°a(š)x°e (to commit) an oversight | *x°ešx°a <u>medicine, curative</u> |
| *q°ašx°e K <u>raving, delirium</u> | *q:ašx°a <u>sky-blue</u> , T also <u>green</u> |
| *wašx°e K <u>to misfire</u> | *Pğašx°a <u>hawk/steppe eagle</u> |
| *Pcašx°a <u>swallow (zool.)</u> | *q°ešx°a B <u>termagant, shrew</u> |
| *g°erešx°a <u>suspicion</u> | *wašx°a K <u>blue sky</u> |

111. ġ°

- *ġ°e -- B ġ°e/ġ°e to dry out, itr.
 *ġ°e -- B ġ°e/ġ°e to gnaw, tr.
 *ġ°e -- T fa-ġ°e/x°a-ġ°e to remain unpunished (*x°a- for sb.).
 *ġ°e -- B -ġ°e/-ġ°e companion, partner, *ġ°ena-ġ°e neighbor, etc.
 *ġ°(a) -- .../ša-ġ°e to pity, itr. (ša- because of, subject g°e the heart),
 T č'a-ġ°a-ž'e/š-ay-ġ°a-ž to change one's mind (about doing stg.),
 K also to regret (-ž'e/-ž back, as previously).
 *ġ°a -- B ġ°a/ġ°a burrow, den, hole.
 *ġ°a -- B ya-ġ°a/ya-ġ°a time, term, season (ya- 3rd pers. possessive);
 also suffix for abstracta (besides -ğa).
 *ġ°a -- B ġ°a/ġ°a reddish, brown, yellow, sorrel (of horse).
 *ġ°a -- Š ġ°a/... mistletoe (T yāğ°a).
 *ġ°a -- .../ġ°a to bleat.
 *ġ°e(n)d(a) -- B ġ°ende T ġ°e(n)d(a)/ġ°ed(a) gadfly.
 *ġ°erc^ha -- B ġ°erc^ha/... brushwood, shrubbery.
 *ġ°esa -- B ġ°esa/ġ°esa companion, fellow-traveler.
 *ġ°eš(a) -- B ġ°eše/ġ°eš to dry out, itr., T ġ°eša/ġ°eša dry.
 *ġ°erze -- B ġ°erze T ġ°ereze/... roof-tiles, Š zinc roofing.
 *ġ°ePž'e -- B ġ°ebž'e/ġ°ebž Tuesday.
 *ġ°eč'a -- T ġ°eč'a/ġ°eša to dry out, itr.
 *ġ°ePč:a -- B ġ°epč:a/ġ°ebža sickle.
 *ġ°ePč:a -- B šña-n-ġ°epč:a/šña-ġ°ebža window (*šña head).
 *ġ°ečē -- B ġ°ečē/ġ°eš iron.
 *ġ°e(P)š:e -- See *(P)ġ°e(P)š:e.
 *ġ°ePš:a -- B š'h'e-ġ°epš:a/še-ġ°epša to be forgotten (*š'h'e- general deixis,
 refers to person forgetting).
 *ġ°e(r/n)ga -- B ġ°enž'a Š ġ°erga/ġ°ega mirror.
 *ġ°e(r)kē -- T ġ°erc'e ŠM ġ°ekē/... severe frost.

- *ǵ°ēka -- B ǵ°ēč'a/ǵ°ēka blacksmith.
- *ǵ°ēTḥa -- B ǵ°ēthā/ǵ°ēthā to relieve oneself, esp. to urinate.
- *ǵ°eme -- B ǵ°eme/ǵ°em thick (of cylindrical objects), T also pregnant.
- *ǵ°ena -- B ǵ°ena/ǵ°ena edge, border.
- *ǵ°apḥa -- B ǵ°āpḥa/ǵ°āpa sleeve.
- *ǵ°(a)^r/mbə -- T ǵ°erbə/ǵ°amb burrow, hole.
- *ǵ°atḥ(a) -- B ǵ°atḥə/ǵ°at to find, T pə-ǵ°ata-n id. on stg. (pə- tip).
- *ǵ°atḥa -- See *pǵ°atḥa.
- *ǵ°aṭa -- .../ǵ°aṭa dark-reddish.
- *ǵ°aPc:a -- T ǵ°āpca/... to harden, form a crust (as dough).
- *ǵ°aʒə -- T pə-ǵ°aʒə/... to answer.
- *ǵ°aPse -- T ǵ°apse/... ichor, pus.
- *ǵ°aze -- B ǵ°aze/ǵ°az steam, light fog, haze.
- *ǵ°aza -- B ǵ°āza/ǵ°āza to be oriented, informed/leader, guide, target, point of orientation, sight (on gun).
- *ǵ°aza -- T ǵ°āza/... to dry out slightly.
- *ǵ°asṣ°ə -- T ǵ°asṣ°ə/... saline soil, dust-colored, dusty.
- *ǵ°asṣ°(a) -- B -ǵ°asṣ°ə/-ǵ°āṭa easy. Cf. *ǵ°aya.
- *ǵ°ačḥ°ə -- T pə-ǵ°asṣ°ə/... to bring, lead stg. or sb. to meet sb. Cf. *čḥ°(a) to take, bring, lead.
- *ǵ°aPč:°a -- B ǵ°āpč:°a/ǵ°ābža brownish, yellowish.
- *ǵ°asš:°a -- B ǵ°āšš:°a/ǵ°āṣa to lose one's way.
- *ǵ°až°ə -- B ǵ°až°ə/ǵ°az yellow.
- *ǵ°alə -- B ǵ°alə/ǵ°al to lie down.
- *ǵ°aPl(a) -- B ǵ°aplə/ǵ°apl copper-red, B ǵ°āpla/ǵ°āpla red copper.
- *ǵ°a(n)la -- B ǵ°āla T ǵ°ānla/ǵ°āla to wither (of plants).
- *ǵ°amela -- T ǵ°amela/ǵ°amela food taken along on trip (-mə- poss. syllabi-fied connective, cf. *Pʒ°amešxe, *lameʒ°ə).
- *ǵ°axe -- T pə-ǵ°axe/... to take stg. to meet sb., in sb.'s direction.
- *ǵ°ašxa -- B ǵ°āšk:a/ǵ°āšxa to chew (as ruminant, or person chewing gum).
- *ǵ°a(r)ḡe -- T ǵ°a(r)ḡe/ǵ°aḡ to roar (as lion), to howl, weep loudly.
- *ǵ°ag°ə -- B ǵ°ag°ə, ǵ°ag°ə/ǵ°ag° road.
- *ǵ°ak°a -- T ǵ°āk°a/... to lose its way, go astray (of cattle), T ǵ°arek°a animal gone astray.
- *ǵ°a(n)Tk°a -- T ǵ°ā(n)tk°a/... drop (of water, etc.).
- *ǵ°ax°ə -- T ǵ°afe/... zinc.
- *ǵ°aḫ°a -- B ǵ°āḫ°a/ǵ°āḫ°a to howl, roar, holler, B also to speak loud.
- *ǵ°ag°a -- B ǵ°āḡ°a/ǵ°āḡ°a to thunder, roar (as guns).
- *ǵ°alḥa -- T ǵ°ālḥa/... to brood, sit on eggs.
- *ǵ°alḥa -- T pə-ǵ°ālḥa/... to follow; to catch hold of.
- *ǵ°(a)ye -- B ǵ°eye T ǵ°(a)ye/ǵ°ay thicket, cf. T ṣḥā-rə-ǵ°ə id.
- *weǵ°aye -- T weǵ°aye/weǵ°ay to collect, bring together.

- *ǵ°aya -- B -ǵ°āya/-ǵ°ay difficult. Cf. ǵ°aš°a.
 *ǵ°awe -- B ǵ°awe/ǵ°aw town-crier.
 *ǵ°ama -- T ǵ°āma/ǵ°āma smell/foul, filth.
 *ǵ°ane -- T ǵ°ane/... rotten wood (used for smoking out bees).
 *ǵ°an(a) -- B ǵ°āna/ǵ°āna hole, wǵ°ane/wǵ°an to make a hole in stg., tr.

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|-----------|---|---|------------|---|
| *beǵ°e | T | <u>pedigreed bull</u> | *daǵ°a | <u>defect, shortcoming</u> |
| *c:aǵ°e | | <u>to gnaw</u> | *tə(r)ǵ°a | <u>to soften, ripen</u> |
| *čaǵ°e | T | <u>weak, frail</u> | *c:əǵ°a | <u>mouse</u> |
| *čh'əǵ°e | | <u>salt</u> | *Pseǵ°a | <u>thin (cylindrical)</u> |
| *Pč:'aǵ°e | | <u>stake, pole</u> | *səǵ°a | <u>to wear mourning</u> |
| *žaǵ°e | | <u>chin/base of lower jaw</u> | *šaǵ°a | <u>important, interesting, rare; astonished</u> |
| *žaǵ°e | | <u>foot of mountain</u> | *š°əǵ°a | <u>(to) envy</u> |
| *l(a)rǵ°e | | <u>callosity, corn</u> | *š°aǵ°a | <u>pale</u> |
| *laǵ°e | B | <u>person of the same age</u> | *z°aǵ°a | <u>star</u> |
| *Plaǵ°e | | <u>shoulder-blade</u> | *ž'aǵ°a | <u>odious, unpleasant</u> |
| *ǵ°əǵ°e | | <u>story, account, report</u> | *Pčh'aǵ°a | <u>mist, haze</u> |
| *ǵ°əǵ°e | | <u>difficulty/difficult</u> | *č:aǵ°a | T <u>to settle (of turbid fluid)</u> |
| *Pšamǵ°e | | See *PšamPǵ°e | *laǵ°(a) | <u>to see</u> |
| *ǵaǵ°e | | <u>to have mercy</u> | *laǵ°a | <u>path, track, trail</u> |
| *q:°aǵ°e | B | <u>corner</u> | *ləǵ°a | <u>to be singed</u> |
| *q:°aǵ°e | | <u>skinny, lean</u> | *Plaǵ°a | <u>dragon, K also crocodile</u> |
| *Thaǵ°e | | <u>(ear)ring</u> | *(P)kaǵ°a | <u>soot</u> |
| *haǵ°e | S | <u>treebark basket</u> | *kh°əǵ°(a) | <u>yolk</u> |
| *yaǵ°e | | <u>nasty, malevolent, enemy</u> | *Pq:əǵ°a | <u>thing, object</u> |
| *waǵ°e | | <u>drought</u> | *q̌aǵ°a | <u>nearby</u> |
| *naǵ°e | T | <u>crop of bird</u> | *q̌°əǵ°a | <u>smoke</u> |
| *baǵ°a | | <u>to be(come) rich (harvest)/to multiply, itr.</u> | *ǵ°aǵ°a | <u>to thunder, roar (as guns)</u> |
| *t:əǵ°(a) | | <u>to steal; thief</u> | *yaǵ°a | T <u>mistletoe</u> |
| *daǵ°(a) | | <u>good</u> | *məǵ°a | <u>poor, unfortunate</u> |

112. Pǵ°

- *Pǵ°e -- B bǵ°e/bǵ°e side, edge (of anything).
 *Pǵ°(a) -- B bǵ°(a)/bǵ°(a) nine (times).
 *Pǵ°a -- B bǵ°a/bǵ°a broad.
 *Pǵ°a -- B bǵ°a/bǵ°a sheep's carcass.
 *Pǵ°es(a) -- T bǵ°ese S bǵ°esa/... large sheepskin blanket, S also felt foundation in cradle.
 *Pǵ°eza, -ža -- B bǵ°eza, bǵ°əža/bǵ°əza narrow, tight.

- *Pǵ°enǵ°e -- T bǵ°enǵ°-aw/bǵ°enǵ° inclined, bent, crooked.
 *(P)ǵ°e(P)š°e -- B bǵ°eš°e/ǵ°eš° millet-straw.
 *Pǵ°enla -- .../bǵ°enla to tilt, list, itr.
 *Pǵ°aǵ°e -- Š bǵ°aǵ°e/... steppe.

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|---------------|------------------------------------|-----------|---------------|
| *ǵaPǵ°e | T <u>piece (of cloth, leather)</u> | *haPǵ°a | K <u>nest</u> |
| *Pǵa(m)(P)ǵ°e | <u>board, plank</u> | *nePǵ°(a) | <u>quail</u> |
| *wePǵ°e | <u>to spread, tr.</u> | *naPǵ°a | B <u>nest</u> |
| *ǵ°ePǵ°a | <u>field, steppe</u> | | |

113. ħ

- *ħ(a) -- B ħe/ħe to carry (off), tr., B ye-ħa/ye-ħa to carry into, tr.
 *ħa -- B ħa/ħa to go (only w. local prefixes).
 *ħa -- B ħa/ħa barley.
 *ħa -- B ħa/ħa dog.
 *ħež°a -- B ya-ħež°a/... to yearn, pine for.
 *ħeła -- T ħeła/... difficult.
 *ħada -- B ħada/ħada corpse.
 *ħancħa -- B ħancħa/ħanca wooden spade.
 *ħac:a -- .../ħaǵa grain (of corn, sand), cf. T pšax°aca grain of sand (pšax°a sand).
 *ħasa -- B ħasa/ħasa bed (in garden), plot.
 *ħaPse -- T ħapse/ħaps pit for keeping prisoners, T also prison (Tu hapis).
 *ħarza -- T ħarza/... swan; breaker (wave).
 *ħarza -- T ħarza/... to soar, hover. Cf. *x°arza.
 *ħa(n)ǵ°a -- B ħanǵ°a/ħava square stack, rick of hay, straw (cf. *šħa(n)ǵe).
 *ħaš°a -- B ħaš°a/ħafa rubber.
 *ħaǵ°e -- T ħaǵ°e/ħav puppy.
 *ħaǵ°(a) -- B ħaǵ°(a)/ħaǵ(a) to grind, (in)tr.
 *ħač°a -- B ħač°a/ħaša guest.
 *ħaPš°a -- B ħaPš°a/... to pant, breathe heavily.
 *ħ(a)ła -- B ħeła/ħala burden, heavy, difficult.
 *ħaPlø -- B ħaPlø/... brown.
 *ħal(a) -- B ħale/ħala wedge.
 *ħaPla -- B ħabla/ħabla quarter of village (Tu havālī).
 *ħaka -- .../ħaka hiccup.
 *ħa^m/Pka -- T ħapč°a/ħamka gallop (Š ħapska).
 *ħaš°xe -- T da-ħaš°xe/de-ħašx to laugh at sb., itr./to laugh.
 *ħakh°e -- B ħakh°e/ħak° fireplace, oven.
 *ħak°a -- .../ħak°a honeycombs with honey.

- *hax^oe -- B hāfē/hax^o object borrowed, K also to win (as money), S collective aid.
- *haq^oe -- B hāq^oe/hāq^o duty, obligation, T also truth, fate (Tu hak).
- *haq^ho^a -- T hāq^oāq^oa/hāq^oāfa water-trough for cattle/trough (analysis uncertain; may contain *q^ho^aq^oa, but cf. also q^o(a) to drink).
- *haq^o(a) -- T hāq^oe/K dial. hāq^oa to bark/to make noise.
- *hāq^oe -- T hā^oe/... mushroom.
- *hawa -- B hāw/hawa no.
- *ham(a) -- B hāma/ham threshing-floor.
- *hara -- T hāra/hara buffalo (cf? Georg. xari ox or Tu hāra stud).

(In units CVhV the vowel-correspondences show peculiarities. In K, Cē- and Ca- are not distinguished before h, and only Cē is written. Frequently B Cāhē corresponds to T Cēhā, and each of these is considered evidence for final -hā. Except in *lañā, based on S evidence only, all initial segments are given as Cē-).

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|------------------------|---------------------------------|-----------------------------------|---------------------------|
| *Txēhē | K <u>threading of screw</u> | *Pžēhā | <u>autumn, S winter</u> |
| *p ^h ēhā | <u>to cry, howl, sob</u> | *lañā | S <u>rivulet</u> |
| *c:ēh(a) | <u>faith, confidence</u> | *gēhā | <u>to weed with a hoe</u> |
| *Pseñ(a) | <u>to temper (metals)</u> | *kēh(a) | <u>long</u> |
| *sēh(a) | <u>deer</u> | *g ^o e(r)h(a) | <u>pleasant, tasty</u> |
| *č ^h ēh(a) | <u>to provoke sb.</u> | *qēhā | <u>part, share</u> |
| *č ^h ēhā | <u>to roll, wind, wrap</u> | *q ^h o ^a hā | <u>boat, ship</u> |
| *č ^o ēh(a) | <u>esteem, honor, authority</u> | *šx ^o ēh(a) | <u>sorcery/poison</u> |
| *Pč ^o ēh(a) | <u>dream</u> | | |

114. Th

- *Thā -- B thā/thā God, deity.
- *Thā -- B thā/thā ear, cf. *Thāg^oe, *Thak^ho^a, etc.
- *Thā(m)p^ha -- B thāp^ha/thā(m)pa leaf of tree, also in T thāpa-fē grey-bearded (-fē white), K la-thā(m)pa front part of foot la.
- *Th(a)(m)be -- B thābē-lē S thēbē, thābē/thāmbē-l lungs (lē flesh).
- *ThāPz(a) -- B thābza/thābza token, mark, K ʔ^oax^o-thābza service (ʔ^oax^o business, affair), K wēthābz to mark animals by cutting a piece off the ear.
- *Thāq^oe -- B thāq^oe/thāv dough made of wheat-flour.
- *Thāč^o(a) -- B thāč^o(a)/thāš to wash, (in)tr.
- *Thāla -- B thāla/thāla to stifle, smother.
- *wēThāga -- .../wēthāga to entreat, make complaints (cf. T thāwēsēx complaint).
- *Thāka -- .../thāka brim of hat.
- *Thak^ho^a -- B thāk^ho^a/... with short, flapping ears (of horse), cf. B thā-k^omāk^ho^a with short ears.

- *Tḥak'°e -- B tḥāk'°e-ma/tḥāk'°e-ma ear (for -ma cf? *t:ama wing).
 *Tḥax°e -- .../tḥax° dark-colored cattle or sheep with white ears.
 *Tḥaq:°e -- T tḥāq'°e-fa/tḥāq'°e to steal/to confiscate, abduct (T -fa = ?).
 *Tḥarq:°a -- T tḥār q'°a/tḥār q'°a pigeon, dove.
 *Tḥāq'°e -- T tḥā'°e/... boot-top.

- *Pc:a(n)Tḥa joiner's glue shoulder w. leg (of animal)
 *ḡ°eTḥa to relieve oneself, urinate
 *PlaTḥa K collarbone, shoulder-blade, *PsaTḥa K a heathen god

115. Ṣḥ

- *Ṣḥa -- B ṣḥa/ṣḥa head, bulb, ear of corn, top, roof, beginning, etc.
 *Ṣḥapḥa -- See PṢḥapḥa.
 *Ṣḥantḥa -- B ṣḥāntḥa/ṣḥanta pillow, cushion.
 *Ṣḥanda -- B ṣḥānda/... bush, shrub.
 *Ṣḥatā -- T ṣḥatā-bḡ°a/... with broad bḡ°a forehead. Cf. *natā.
 *Ṣḥacḥe -- B ṣḥācḥe/ṣḥac head-hair.
 *Ṣḥapca -- T ṣḥāpca Ṣ ṣḥāpca/... bare-headed.
 *Ṣḥapse -- .../ṣḥaps light-headed, giddy.
 *Ṣḥaza -- T ṣḥāza/ṣḥaza "die Drehkrankheit der Schafe" (Russ. vertjačka).
 *Ṣḥašḥ'a -- B ṣḥāšḥ'a/ṣḥaṣa bow, greeting.
 *Ṣḥale -- B ṣḥāle/ṣḥal mill, T ca-ṣḥāle/ḡa-ṣḥal molar (*c:a tooth).
 *Ṣḥaxe -- B ṣḥāxe/ṣḥax laziness, slowness, indolence.
 *Ṣḥak'°a -- B ṣḥāk'°a/ṣḥak'°a offense taken, touchiness.
 *Ṣḥax°(a) -- B ṣḥāfe/ṣḥax°a separate.
 *Ṣḥaq:a -- T ṣḥāqa/... stupid. Cf. *q:(a).
 *Ṣḥāq'°e -- T ṣḥā'°e/ṣḥa'°e top edge/front part of bride's headdress, T pca-ṣḥa'°e/bza-ṣḥa'°e threshold.

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|---------|---|----------|--|
| *zaṢḥe | <u>alike, similar</u> | *x°eṢḥa | K <u>to yawn</u> |
| *pḥaṢḥa | <u>in presence of, K also place of honor away from door</u> | *q:°eṢḥa | <u>mountain, K also Ossetian, Balkar</u> |
| *PlaṢḥa | K <u>part of room opposite door</u> | *q'°eṢḥa | <u>poppy</u> |
| *PḡeṢḥa | <u>mountain-top, upper edge</u> | *q'°aṢḥa | <u>barrow/hill</u> |

116. Lḥ

- *Lḥa -- B lḥa/lḥa to lay, put, tr. (only w. local prefixes).

- *ḡ°aLḥa T to brood, sit on eggs *ḡ°aLḥa T to follow, catch hold of

117. h

- *ha -- B ā-r/ha-r that (ille) (-r absolute case).
 *haba -- T āba/haba chasuble-type garment.
 *hat:a -- B y-āt:a/hada father (y- 3rd pers. possessive). Cf. *t:(a).
 *hada -- T āda/... tumor, swelling.
 *haPse -- T āpse/... wooden bowl.
 *haš°a -- B āš°a/hafa coat of mail.
 *hač:a -- B āč:a/haža he-goat.
 *haPla -- S ābla/... a kind of wheat.
 *haPk:e -- B āpč:°e/habg glass, window-pane (Oss. avg(æ)).
 *haPğa -- S ābğa/... divan, couch.
 *haš°e -- S āš°e/... fig.
 *hağ°e -- S āğ°e/... treebark basket.
 *haPğ°a -- .../habğ°a nest (B nābğ°a).
 *hawa -- āwa/hawa but (poss. modal case of *ha).
 *hana -- B y-āna/hana mother (y- 3rd pers. possessive). Cf. *n(a).

118. y

- *ye -- .../ye file (implement).
 *y(a) -- B y(a)/y(a) eight (times).
 *y(a) -- B y(a)/y(a) to coat (the walls of a house), (in)tr.
 *ya -- B ya/ya bad, evil; as a suffix w. animal names dung, manure.
 *ya -- B fā-ya/x°-ay to wish, itr. (*x°a- for).
 *yene -- B yene/yen big, large.
 *yeze -- T yeze/yez antiquity; ancient.
 *yath°a -- T yāta/yāta to rage (of storm), swell (of wound)/to let oneself go, become insolent.
 *yāta -- B yāta/yāta clay, earth, K also mud.
 *yanč°e -- .../yanč long pole, lever.
 *yase -- T yase/yas manly/tall and well-built (person).
 *yaPze -- B yabze/yabz stable manure/slops, swill from stable manure.
 *yaž°a -- B yāž°a/yāža ashes.
 *yaPğa -- B yābğa/yābğa fierce, nasty (as dog), K also brave.
 *yağa -- B yāğa/yāğa eruption, rash, pimple/fault, cause (of stg. bad).
 *yaq°h°e -- B yaq°h°e/yaq° cud/entrails.
 *yağ°e -- B yağ°e/yağ° nasty, malevolent; enemy.
 *yağ°a -- T yāğ°a/... mistletoe.
 *yaya -- T yāya/yāya very fat (e.g. cow), K also round, cylindrical.
 *yane -- .../yan whole (e.g. day).

*p:eye	<u>enemy</u>	*žeya	<u>to stand apart, avoid stg.</u> (*ze-š ^h 'e-)
*baye	<u>rich</u>	*Pčeya (-ye?)	T <u>ore</u>
*beye	<u>to stick out, be visible</u>	*wesay(a)	<u>to lean</u>
*deye	<u>to cool off, harden, grow numb</u>	*zeya	<u>to lift up, turn face up</u> (*da-ža-)
*daye	B <u>bad</u>	*Pzay(a)	<u>to lick</u>
*taye	S <u>damp</u>	*wešey(a)	<u>to admonish, exhort</u>
*c:aye	<u>mate, partner</u>	*šaya	S <u>squirrel</u>
*Pčeye (-ya?)	T <u>ore</u>	*žeya	<u>small</u>
*saye	<u>to be filled up (as ditch)</u>	*š ^o ey(a)	<u>to whistle</u>
*Psaye	<u>black maple/spruce, fir</u>	*š ^o aya	B <u>rat</u>
*lzeeye	<u>(light)ray</u>	*č:eya	<u>to sleep</u>
*Pzeye	K <u>corn-stalk</u>	*łaya	<u>woollen gaiters</u>
*š ^o eye	T <u>to squeak, cheep</u>	*łaya	<u>to move in jumps, B also to go to roost</u>
*š ^o aye	<u>dirty</u>	*leya	<u>superfluous, harm</u>
*č ^h '(a)ye	<u>to stick out (as hand)</u>	*k ^h aya	<u>tub</u>
*Pč:'aye	<u>plane-tree</u>	*geya	K <u>smooth (of ice)</u>
*wełeye	<u>to rust</u>	*gaya	<u>sheat-fish/whale</u>
*k ^h eye	<u>wattle</u>	*kaya	<u>ash-tree</u>
*k:eye	<u>(inside of) throat</u>	*Pkaya	<u>maple</u>
*keye	<u>to shriek, howl</u>	*xeya	<u>innocent</u>
*kaye	T <u>valley</u> S <u>stream</u>	*xaya	S <u>a measure of millet (144 bundles)</u>
*k ^h aye	<u>(quarter of) settlement</u>	*gēy(a)	<u>to chide</u>
*x ^o aye	<u>white maple/kind of birch</u>	*gēya	<u>dove-grey</u>
*Tx ^o aye	<u>beech, hornbeam</u>	*g ^o eya	T <u>malicious, mean</u>
*q:aye	<u>to belch, B also hiccup</u>	*g ^o eya	S <u>quantity of grain which fills one mortar or oven</u>
*xeye	K <u>excitement, fury</u>	*weq:aya	See *weq: ^o aya
*šxaye	See *šgaye	*q ^o eya	<u>foot-and-mouth disease</u>
*šgaye	<u>small (potatoes, change)</u>	*weTš ^o aya	S <u>to get covered w. mould</u>
*q: ^o eye	<u>mangy</u>	*g ^o aya	<u>difficult</u>
*q ^o aye	<u>to bleat</u>	*yaya	<u>very fat (e.g. cow), K also round, cylindrical</u>
*x ^o aye	<u>in abundance</u>	*waya	<u>bad weather</u>
*Tš ^o eye	<u>polygonum convolvulus</u>	*meya	<u>wild apple tree</u>
*g ^o (a)ye	<u>thicket</u>	*maya	K <u>nutritious, rich (food)</u>
*weg ^o aye	<u>to collect, bring together</u>	*naya	<u>spite, anger, malice</u>
*beya	S <u>mole (zool.)</u>		
*t:aya	B <u>(package of) neatly arranged things</u>		
*tēya	<u>to stick out, stand on end, be bent upward</u>		
*č ^h eya	<u>cherkeska</u>		

119. w

- *wə -- B wə/wə to put into, insert, thread (a needle), tr. (only w. local prefixes).
- *wə -- T tya-wə/tay-w to stop (of rain), change for the better (of weather), itr. (*t^hya- surface, on).
- *w(a) -- B w(a)/w(a) to beat, strike, shoot, sting, attack, itr. (*we only w. local prefixes), B wa/wa to smoothe (a threshing floor), tr.
- *w(a) -- T wa/... to shrink, collapse, itr., T pə-wə/... to diminish, itr. (pə- tip).
- *wa -- B wa/wa to plait (a round galloon of silk), tr.
- *wa -- B wa-ŋ^oə/wa hail (meteorol.).
- *wa -- B wa-/wa- weather, air, sky, cf. *wəse, *wəg^oə, etc.
- *wa -- B wa/wa you, sing.
- *wəb(a) -- B wəb(a)/wəb(a) to trample, pound, crush; to slander, (in)tr.
- *wəpə -- B wəpə/wəpə to cut open (an animal)/to skin.
- *wəthə -- B wəthə/wəthə to trample, to knead clay with the feet.
- *wət:(a) -- B wət:(a)/wəd(a) to pound, thresh (sunflower seeds, maize), beat (egg), knead, break off.
- *wət:(a) -- T ya-wətə/wədə to sow by hand, K xa-wədə to strew, pour into (e.g. flour into dough) (xa- mass).
- *wədə -- B wədə/wəd witch.
- *wəc:ə -- B wəc:ə/wəʒ grass.
- *wəpčə -- .../wəpč to splash, spatter, tr.
- *wəŋ^očə -- B ɬə-wəŋ^očə/... bruise (ɬə blood).
- *wəs(a) -- T wəsə/wəs(a) to compose (song), write (story), (in)tr., K wəsa verse, poem.
- *wəps(a) -- B wəpsə/wəps(a) to plane, shave (also shave the face), (in)tr.
- *wəze -- B wəze/wəz pain, disease.
- *wəpza -- T wəbzə/wəbzə to try to ingratiate oneself.
- *wəse -- T wəse/wəs to trot.
- *wəsa -- T wəsa/... to stuff, fill.
- *wəç:°(a) -- B wəç:°ə/wəv to stand (up), to stop, halt, B wəç:°a to get tired, B t^hya-wəç:°a/tay-wəva to step on *t^hya-.
- *wəŋ^oa -- .../wəfa to cover, itr. and tr. Cf. *ŋ^oa hide, etc.
- *wəč^hə -- T qa-wəš'ə/qa-wəš to wake up (*q:a- hither).
- *wəpč'(a) -- T wəpč'a/pə-wəpš to mow off, cut off (pə- tip), K xa-wəpša to make a notch (xa- mass).
- *wəpč'a -- B wəpč'a/wəpša felt.
- *wəž'(a) -- B wəž'ə/wəza weasel.
- *wəpč(a) -- B wəpčə/wəpša, ya-wəpš to ask.
- *w(a)čə -- B wačə/wəš open place at riverbank/to gape, open wide (mouth, hand).
- *wəže -- B wəže/ɬə-wəž tracks (ɬə foot).

- *wēpla -- B wēbla/wēbla to begin.
- *wēge -- B wēǵ'e/wēg a round dance with singing.
- *wēke -- B wēč'e/wēk to kill.
- *wēxe -- B wēxē/wēx to finish.
- *wētx(a) -- B wētxa/wētx(a) to splash, spatter. (in)tr. Cf. Twēǵ°entxa/wēbǵetxa to spit, itr.
- *wēx°a -- T wēfa/zē-wēx°a to bend, tr./to bend oneself zē-.
- *wēx°a -- .../wēx°a to build, tr.
- *wētx°(a) -- Š xa-wētxa, ya-wētxe/... to thrust, stab, prick, itr. (xa- mass).
- *wēšx°a -- T wēšx°e/... to spread out, tr.
- *wēq:ə -- T wēqe/wēq̇ to open wide, distend, tr.
- *wēq̇a -- B wē'a/wē'a to wound, tr.
- *wēšǵ(a) -- B to peel, pearl (barley), (in)tr.
- *wēq^h°a -- B wēq^h°a/wēq°a to break off and fall down/to whirl up, K wēq°a-ž to be scattered all over (-ž again, as previously), B x-ya-wēq^h°a to make a mistake, ŠM wēš°a to cause a defect, foul up, K ǵa-wēq°a to destroy (e.g. a bird's nest).
- *wēq:°(a) -- T š'e-wēq°e/šha-wēq°a top part drops down/to doze (the latter in T šha-wēqa). The T form quoted may reflect *wēq^h°a.
- *wēq°(a) -- B wē°(a)/wē°(a) to peck, (in)tr. (T, K tr. also to sharpen by hammering (as scythe)).
- *wēš°a -- T wēš°a/wēš°a-nṧ easy to split/to limb, remove branches from, tr.
- *wēpš°e -- T wēpš°e/... to touch up, rectify, to cut (hair).
- *wētx°a -- T wētx°a/wētx°a to become turbid, muddy (of water).
- *wēpǵ°e -- B wēbǵ°e/wēbǵ° to spread, tr.
- *wēma -- T wēma/wēma wooden club for hammering in piles, wedges, etc.
- *wēna -- B wēna/wēna house.
- *wēpska -- .../ša-wēpska to rock, swing, tr. (ša- under).
- *wēstš°a -- T wēstš°a/... to glow (as coals).
- *wāt:a -- B wāt:a/wāda hammer.
- *wāde -- B wāde/wād thin (of person).
- *wāse -- B wāse/was snow.
- *wāsa -- B wāsa/wāsa price.
- *wāš°e -- B wāš°e/... hail (meteorol.).
- *wāš°a -- B wāš°a/wāfa sky, heaven.
- *wāṧ°e -- B wāṧ°e/wāḟ fine weather.
- *wāš^h°e -- B wāš^h°e/wāṧ axe.
- *wāla -- B wāla/... to totter, reel, T wave, to undulate.
- *wāla -- .../wāla cloud.
- *wāxe -- T wāxe/wax lowland, depression (geogr.).
- *wāš'xē -- B wāš'xē/wāšx rain.
- *wāǵ°e -- T wāǵ°e/wāǵ° sky, heaven.
- *wāǵ°e -- B wāǵ°e/wāǵ° freckled, T also grey.

- *ma -- .../ma there you are! (handing stg.) (B mā).
- *ma -- B ma/ma smell, odor.
- *mes(a) -- B mesa/ma guilty, culprit, T also foreign, K also dishonest, uneducable, T wə-məsə/wə-məs to unmask, catch in a lie, prove wrong, tr.
- *meša -- B meša/meša bear.
- *mež°a -- B mež°a/meva stone.
- *meč(a) -- B meča T meče/meša precious stone (set in ring).
- *mēle -- B mēle/mēl ice.
- *meš'k°e -- B meš'k°e/meš'k° acorn. Cf. *mešx°e.
- *mešx°e -- ŠM mēfe/mešx°e(m)pa acorn. Cf. *meš'k°e.
- *meSTxa -- B meštxa Š mešxa/... ash-tree, Š T elm.
- *meš°e -- B meš°e/meš° unripe.
- *meSTx°e -- T meštx°e/... pitch, refined wax.
- *meš°a -- B meš°a/meš°a poor, unfortunate.
- *meya -- B meya/may wild apple tree.
- *maw -- B maw/maw- thither/that (iste).
- *mat^ha -- B mā^ha/māta basket, beehive.
- *maSt^ha -- B māst^ha/māsta needle.
- *ma(r)t:a -- T māta/mārda quantity, measure.
- *mača -- B māča/māča locust.
- *maze -- B maze/maz forest.
- *maza -- B māza/māza moon, month.
- *maš°a -- B māš°a/māfa fire.
- *mač^h°e -- B maš^h°e/maš millet (on the field), T maq°-maš°e/maq°maš api-culture, cf. *maq:°e.
- *marž°a -- T mārž°/mārža (interjection) let's go!/call (to a group).
- *māč°a -- B māč°a/māža (a) little, few.
- *maž°a -- B māž°a/māža comb.
- *maš:a -- B māš:a/māža hole, hollow.
- *male -- B male/mal sheep (cf. Tu mal possession).
- *maš'ka -- .../māška spark.
- *max(a) -- B maxe/max to faint, to be tired, worn out, māxa/māxa weak (of things), brittle.
- *mark^h°a -- B mārkh°a/mārkh°a tapeworm.
- *mark°a -- T mārkh°a/mārkh°a mulberry, blackberry, Š wild strawberry/berries (generic). K ā unexplained.
- *max°a -- B māfa/māx°a day.
- *max°a -- B māfa/māx°a happy.
- *wəmaše -- T wəmaše/... to bless, to baptize.
- *maša -- T māša/... sharp pain due to inflammation of nerve.
- *maq:°e -- B maq:°e/maq° hay.
- *maq°e -- T ma°e/ma° shield.

- *maya -- .../māya nutritious, rich (of food).
 *wemama -- .../wemāma to wag the tail.
 *mana -- B māna/māna penis.

- | | | | |
|-----------------------|-----------------------------------|---------------------|-------------------------------------|
| *č:ame | cow | *žama | cakes for funeral repast |
| *Pžeme | T <u>fist</u> | *Pžama | T <u>bunch of hemp for spinning</u> |
| *k ^h ame | K <u>to be insufficient, lack</u> | *x(a)ma | <u>foreign, unknown, stranger</u> |
| *x ^o ame | <u>quiet, slow</u> | *k:ama | T <u>twig</u> (K -na) |
| *ǵ ^o eme | <u>thick (cylindrical)</u> | *q:ama | <u>dagger</u> |
| *wame | K <u>hot weather, stifling</u> | *q:ama | S <u>twig</u> |
| *p ^h am(a) | <u>to smell</u> | *x ^o ema | <u>to protect, save, spare</u> |
| *bama | <u>stench</u> | *ǵ ^o ama | <u>smell/foul, filth</u> |
| *t:ama | <u>wing</u> | *ñam(a) | <u>threshing-floor</u> |
| *s(a)ma | <u>ill; left (side)</u> | *wema | <u>wooden club for hammering</u> |
| *sama | <u>heap</u> | *wemama | K <u>to wag the tail</u> |

121. n

- *n(a) -- B ne, yāna/hana mother, B nāna/nāna mamma/grandmother, granny.
 *n(a) -- B q:a-na-n/qā-na to remain (*q:a- hither; often with other, local prefixes), B xa-ne/xa-n to miss out on stg., remain without (xa- mass, group).
 *na -- B na/na eye (also of needle).
 *na -- B č'a-na-n/š'a-na to catch fire (*č'a- lit. under), T xa-ša-na-ša lighted (xa- mass, -ša past), K pe-ša-na to light (pe- tip).
 *na -- B -na/-na suffix of fractional numbers, e.g. *Pša-na one fourth.
 *nep^he -- .../nep flag.
 *neba -- B neba/neba belly.
 *nePča -- S nepša/... intestines.
 *nesa -- B nesa/nesa (father's) brother's wife, daughter-in-law (cf? IE *snusó-, also Tu nīsā women).
 *neč^h'e -- T neš'e/neš animal killed in honor of guest.
 *nePž'e -- B nebž'e/nebž age, K also shadow (in T nebž'e^o).
 *neg(a) -- B než'e/nega floodlands, water-meadow, T also sandbar.
 *nexe -- T nexe/... aspen.
 *n(a)Sk^oe -- B ǵa-we-našk^oe/ǵa-nešk^o to chew.
 *nex^oe -- .../nex^o sheep's rectum.
 *neq:°a -- B neq:°a/neq'°a half; to be in need of.
 *nePǵ°(a) -- B nebǵ°e/nebǵ°a quail.
 *nap^ha -- B nāp^ha/nāpa face.
 *na'pa -- B nāpa/nāpa eyelid.
 *nart^he -- B nārt^he/nārt Nart (mythical hero).

- *nat:ə -- T nate/nad goatskin sack.
- *nade -- T nade/... fine (about mesh).
- *nada -- T nāda/nāda empty, without kernel (as seed, nut).
- *wenate -- .../wenat to direct, level at, tr., to be directed to, itr.
(the T counterpart is fa-wēč'enate).
- *nata -- B nāta/nāta forehead.
- *narc:a -- B nārc:a/nābza eyebrow.
- *nača -- B nāča, č'a-načē/nāča, ša-nač to wish, desire, hanker for.
- *narče -- B napče/napč false, deceptive.
- *nafse -- B napse/naps tear(s).
- *naze -- B naze/naz hem, border, edge (of fabrics).
- *naza -- B nāza/nāza squint-eyed, B wēnāza/wēnāza head spins.
- *naša -- T nāša/... browridges.
- *naže -- T ya-naže/... to be keen on stg.
- *nafša -- B nāpša/nāpša browridges.
- *naš^oe -- B naš^oe/naf blind.
- *wenaš^oa -- T wēnāš^oa/wēnāfa order, instruction, decree. May contain *wena.
- *naš^oe -- B naš^oe/naf benevolent.
- *nač^h'a -- T nāš'a/nāša squint-eyed.
- *nač^l'e -- B nač^l'e/naš empty, not having eaten.
- *nač^l'a -- T č'a-nāč^l'a/ša-nāša to chaff, tease, mock, itr.
- *nača -- B nāča/naša-ša hollow under eyes.
- *naš:a -- B nāš:a/nāša melon/cucumber, B naš:a-bag^oe cucumber.
- *nala -- B nāla/nāla a single (hair)/fibre, filament.
- *nag(a) -- T naž'a-ž^ož'a/naga-ž^ož'a misshapen, K bzaga-nāga bad, nasty, evil, K wē-nag to disfigure.
- *naka -- T nāč'a/nāka wink/outer corner of eye.
- *naxa -- S nāxa/... face.
- *na(r)Fg(a) -- S nabgē/narebga person (T nabgēra).
- *nag^oe -- B nag^oe/nag^o face.
- *nak^oe -- B nak^oe/nak^o face/cheek; mountainside.
- *nax^oe -- B nafe/nax^o light, clear.
- *nax^oa -- B nāfa/nāx^oa definite, clear, obvious.
- *naq:ə -- S naq:ə/... to flower, bloom.
- *napq:ə -- B napq:ə/napq cheekbone; riverbank.
- *naqa -- T nāqa/naqa attention, care.
- *našxe -- B našxe-ya/našx sad/(stern, angry) glance, K našx-ay sad, našxe-fa gay. Cf. *našgē.
- *naPga -- B nābga/nābga nearsighted.
- *našgē -- T nažgē/nažg eye-socket, T also glance, K also temple. Cf. *našxe.
- *naq^l'e -- B naq^l'e/naq^l'e face.
- *naq^oa -- B nāq^oa/nāq^oa well-known, distinguished, T also to give oneself airs, K also clear-cut, distinct.

- *naǰ°e -- T naǰ°e/naǰ° wide (of mesh)/big-eyed.
 *naǰ°e -- T naǰ°e/... crop of bird.
 *naPǰ°a -- B naǰ°a/... nest (K habǰ°a).
 *naya -- B nāya/nay spite, anger, malice.
 *n(a)wa -- B nēwa/nawa-ǰ old woman, granny (-ǰ old).

- | | | | |
|----------|---|------------|--|
| *bene | (children of) family | *ǰ°ana | hoe |
| *bane | coffin, T grave | *čh°ena | to be afraid |
| *čh°ene | pus, abscess, boil | *Pčh°en(a) | to compensate, pay a debt |
| *č:°ane | sharp (as knife), lively | *Pčh°ena | accordion |
| *Pč:°ane | she-goat | *š:ena | B moist |
| *Pž°ene | onion | *λena | birds' fat |
| *š:ane | character/ manners | *λana | oath (*Tña-) |
| *Plene | wall, corner | *Plana | doe |
| *k°hene | top (toy for spinning) | *Plana | energetic, brave/strong |
| *kane | bone used for game | *gana | shirt |
| *gene | (gun)powder, K also poison | *kana | K piece, lump |
| *gene | beet, parsnip | *xena | lazy (šña-) |
| *k:°ane | covered wattle granary | *Pgēna | to leave, desert |
| *wex°ane | K to plait, braid | *Pgēna | sheaf/tie around sheaf |
| *q:ane | ward, pupil | *k:°ana | See *k:°ama |
| *q:°ane | wood betony | *Sk°ena | T noose |
| *Pq°ane | T scale of fish | *Pq:ena | (dye made of) henna |
| *x°ene | K meadow grass | *qana | small 3-legged table |
| *ǰ°ane | T rotten wood (used for smoking out bees) | *Pǰana | T square on chessboard |
| *yene | big | *ǰana | K what is mowed off with one sweep of the scythe |
| *yane | K whole (e.g. day) | *q°ena | nail |
| *p:ana | prickle, thorn(bush), T also splinter | *Tq°ana | one wife in relation to other |
| *ban(a) | to fight | *x°en(a) | moth |
| *bana | to bark | *x°an(a) | to curse, use expletives |
| *pēna | small kerchief | *ǰ°ena | edge, border |
| *dana | silk | *ǰ°an(a) | hole |
| *čēn(a) | moist, unripe, uncooked | *hana | mother |
| *Pčan(a) | naked | *wēna | house |
| *sēn(a) | (stone) idol, statue | *wana | saddle |
| *sana | grape | *mana | penis |
| *Psēna | well/spring | | |
| *šēna | lamb | | |
| *Pžana | finger-, toe-nail | | |

122. r

*St:ere	T <u>hot, bitter, sharp (taste)</u>	*x°are	K <u>parable</u>
*š°t:ere	T <u>to kick</u>	*šx°are	T <u>alarm, pursuit, chase</u>
*čh'ere	<u>young of animal or bird</u>	*ware	<u>wave; turbulent</u>
*Pčh'are	<u>fatty layer, fat</u>	*tara	T <u>to sport, gambol (horse)</u>
*č:ere	<u>steel</u>	*ser(a)	K <u>bitter (taste), beer</u>
*λere	<u>strip of skin, T also belt</u> (*š°a-)	*sera	<u>cupboard</u>
*k'ere	<u>thick, dense, long (hair),</u> <u>high (grass)</u>	*g°ar(a)	<u>a certain, some</u>
*Pxere	<u>sheaf, bundle</u>	*x°ara	<u>thoroughbred horse</u>
*q:ere	<u>stony land, rock</u>	*q:ara	<u>black</u>
*xare	<u>grating, K also lace</u>	*šxara	K <u>north</u>
*Pxare	<u>alarm, pursuit, chase</u>	*q:°era	B <u>dry stalks or grass/rough</u> <u>(as hides)</u>
*gare	<u>prisoner</u>	*nara	<u>buffalo</u>

123. PS'th

*PS'th(a) -- B pš'tha/pštə to boil (of milk), to ferment, B also to get puffed up. Prob. contraction of *Pš:et'ha, cf. *Pš:ē to swell up.

124. PSt:

*PSt:awe -- B pst:awe/... whole, all. Cf. *Psawe.

125. PSkh

*PSkh'a -- B pčh'a š pskh'a/pska to cough.

*g°ePSkh'a š bronchitis

126. PSk'

*PSke -- B ze-ğa-pč'ē š ze-ğa-pske/ze-ğa-psk' to wash, bathe oneself ze-. Prob. contraction of *Pseke, cf. *Pse water, *ka to pour in.

*wePSka K to rock, swing, tr.

*x°aPSke lightning flashes; lightning

127. PSk°

*PSk°e -- .../ğa-psk° to hide, tr.

128. STĥ

*STĥa -- T stĥa/... to coarsen, chap, become rough.

*paSTĥa to scratch

*meSTĥa B ash-tree T elm

129. STĥ°

*meSTĥ°e T pitch, refined wax

*weSTĥ°a T to glow (as coals)

130. Pšĥ

*(P)šĥap^ha ---.../(p)šĥapa useful, usefulness.

ADDENDA to p. 22 (no. 20. Pč, š°č)

*Pc:aš°ča lead (metal)

*q:əš°ča plum

*Pž'aš°ča drone

*weš°ča š bruise (lə-)

*leš°ča T š birthmark

ADDENDUM to p. 30 (no. 31. č^ho)

Mr. John Colarusso of Belmont, Mass., U.S.A. by letter calls attention to Be fāĥ°a to crawl along the ground; to rub against stg. (Alparslan and Dumézil, Journal Asiatique, vol. 252, 1964 p. 329), a welcome addition to the scarce E.Circ. representatives of *č^ho (to *č^ho aĥ°a).

CORRECTIONS

P. 15 line 2: *q:°ərt^he is not in its alphabetic place and should be shifted to the lower left column on p. 14.

P. 80 line 15: eliminate *ñəla (the word falls under *ñ(a)la).

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